

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021723\
 Data File : VY012641.D
 Acq On : 17 Feb 2023 11:24
 Operator : KP/MD
 Sample : VY0217SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Quant Time: Feb 17 11:47:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/18/2023
 Supervised By :Mahesh Dadoda 02/20/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	114727	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	167709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	156013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	89266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	78377	53.724	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.440%			
35) Dibromofluoromethane	7.710	113	66554	54.492	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.980%			
50) Toluene-d8	10.179	98	271186	53.345	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.680%			
62) 4-Bromofluorobenzene	12.477	95	95261	53.723	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	18650	20.955	ug/l	96
3) Chloromethane	2.113	50	16143	18.059	ug/l	97
4) Vinyl Chloride	2.247	62	21696	19.482	ug/l	97
5) Bromomethane	2.638	94	18737	21.397	ug/l	97
6) Chloroethane	2.784	64	16160	20.847	ug/l	98
7) Trichlorofluoromethane	3.119	101	51512	22.504	ug/l	98
8) Diethyl Ether	3.522	74	14525	21.399	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.893	101	25740	22.268	ug/l	99
10) Methyl Iodide	4.088	142	27058	18.056	ug/l	98
11) Tert butyl alcohol	4.954	59	17667	120.738	ug/l	99
12) 1,1-Dichloroethene	3.863	96	23116	20.239	ug/l	96
13) Acrolein	3.723	56	15436	90.002	ug/l	98
14) Allyl chloride	4.473	41	27449	19.711	ug/l	97
15) Acrylonitrile	5.155	53	33580	107.234	ug/l	99
16) Acetone	3.942	43	36977	105.308	ug/l	98
17) Carbon Disulfide	4.186	76	50984	17.210	ug/l	100
18) Methyl Acetate	4.466	43	17722	20.998	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	74285	22.227	ug/l	98
20) Methylene Chloride	4.710	84	30891	21.113	ug/l	96
21) trans-1,2-Dichloroethene	5.210	96	25229	20.254	ug/l	98
22) Diisopropyl ether	6.106	45	60000	21.190	ug/l	92
23) Vinyl Acetate	6.058	43	178697	104.685	ug/l	99
24) 1,1-Dichloroethane	6.009	63	42359	20.926	ug/l	97
25) 2-Butanone	6.978	43	40970	105.163	ug/l	95
26) 2,2-Dichloropropane	6.978	77	48945	22.007	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	31068	21.493	ug/l	99
28) Bromochloromethane	7.332	49	15309	20.806	ug/l	94
29) Tetrahydrofuran	7.344	42	22003	104.469	ug/l	94
30) Chloroform	7.503	83	53209	21.802	ug/l	94
31) Cyclohexane	7.783	56	32187	19.082	ug/l #	95
32) 1,1,1-Trichloroethane	7.698	97	53331	22.519	ug/l	99
36) 1,1-Dichloropropene	7.911	75	34882	21.102	ug/l	99
37) Ethyl Acetate	7.064	43	15835	21.230	ug/l	97
38) Carbon Tetrachloride	7.899	117	50588	22.799	ug/l	99
39) Methylcyclohexane	9.179	83	40989	20.607	ug/l	98
40) Benzene	8.155	78	105244	21.557	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	11176m	27.350	ug/l	
42) 1,2-Dichloroethane	8.234	62	36308	22.944	ug/l	99
43) Isopropyl Acetate	8.271	43	29734	21.501	ug/l	99
44) Trichloroethene	8.935	130	33217	22.350	ug/l	98
45) 1,2-Dichloropropane	9.216	63	22763	21.502	ug/l	96
46) Dibromomethane	9.301	93	15729	22.439	ug/l	99
47) Bromodichloromethane	9.490	83	40939	22.525	ug/l	98
48) Methyl methacrylate	9.289	41	13158	20.815	ug/l	96
49) 1,4-Dioxane	9.295	88	4890	505.341	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	82794	110.964	ug/l	99
52) Toluene	10.240	92	73427	22.178	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	41571	22.698	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	43332	21.863	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	23310	22.758	ug/l	96
56) Ethyl methacrylate	10.508	69	28590	22.217	ug/l	99
57) 1,3-Dichloropropane	10.789	76	37401	22.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	68868	119.065	ug/l	95
59) 2-Hexanone	10.831	43	62839	111.444	ug/l	99
60) Dibromochloromethane	10.984	129	32220	23.599	ug/l	100
61) 1,2-Dibromoethane	11.087	107	21531	22.435	ug/l	97
64) Tetrachloroethene	10.715	164	40274	24.727	ug/l	97
65) Chlorobenzene	11.514	112	82496	22.294	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	33600	23.171	ug/l	99
67) Ethyl Benzene	11.587	91	142863	21.991	ug/l	99
68) m/p-Xylenes	11.697	106	116323	44.859	ug/l	98
69) o-Xylene	12.026	106	55137	22.327	ug/l	99
70) Styrene	12.038	104	96081	22.941	ug/l	98
71) Bromoform	12.203	173	22188	24.208	ug/l #	100
73) Isopropylbenzene	12.325	105	153478	21.251	ug/l	100
74) N-amyl acetate	12.142	43	26289	20.108	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	23743	20.332	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	19311m	19.363	ug/l	
77) Bromobenzene	12.605	156	37920	21.663	ug/l	97
78) n-propylbenzene	12.666	91	174889	21.039	ug/l	99
79) 2-Chlorotoluene	12.752	91	99236	21.029	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	133528	21.477	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	9218	20.843	ug/l	99
82) 4-Chlorotoluene	12.849	91	104524	21.115	ug/l	99
83) tert-Butylbenzene	13.075	119	119646	21.946	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	132016	21.580	ug/l	99
85) sec-Butylbenzene	13.251	105	170278	21.832	ug/l	99
86) p-Isopropyltoluene	13.367	119	149320	22.068	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	76303	21.908	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	75895	21.754	ug/l	98
89) n-Butylbenzene	13.697	91	125342	21.675	ug/l	99
90) Hexachloroethane	13.959	117	26191	21.088	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	68683	21.921	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4998	21.507	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	44672	23.010	ug/l	99
94) Hexachlorobutadiene	15.111	225	28195	23.378	ug/l	99
95) Naphthalene	15.233	128	84799	22.754	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	38700	23.029	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TIC: VY012641.D\data.ms

Abundance

Time-->

Compounds identified in the chromatogram:

- Dichlorodifluoromethane, T
- Chloromethane, P
- Vinyl Chloride, C
- Bromomethane, T
- Chloroethane, T
- Trichlorofluoromethane, T
- Diethyl Ether, T
- Acrolein, T
- Carbon disulfide, T
- Methylene chloride, T
- Methyl acetate, T
- Methylene chloride, T
- Tert butyl alcohol, T
- Acrylonitrile, T
- Methyl tert-butyl ether, T
- 1,1-Dichloroethane, T
- Isopropyl acetate, T
- Ethyl acetate, T
- 2,2-Dichloropropane, T
- Chloroform, C
- 1,1,1-Trichloroethane, T
- 1,1,1-Trichloroethane, T
- 1,1-Carbonyl fluoride, T
- 1,1,1-Trichloroethane-d4, S
- Isobutyl acetate, TM
- 1,4-Difluorobenzene, I
- Trichloroethene, TM
- Methylcyclohexane, T
- Bromochloromethane, T
- cis-1,3-Dichloropropene, T
- 2-Chloroethyl Vinyl ether, T
- 4-Methyl-2-Pentanone, T
- Toluene-d8, S
- Toluene, CM
- Tetrachloroethene, T
- Ethyl methylchloropropene, T
- 1,1,2-Trichloroethane, T
- 1,3-Dichloropropane, Hexanone, T
- Dibromochloromethane, T
- 1,2-Dibromoethane, I
- Chlorobenzene, PM
- Chlorobenzene, T
- n-Propylbenzene, T
- p-Xylene, T
- Isopropylbenzene, T
- 4-Bromofluorobenzene, S
- n-Propylbenzene, T
- 1,3,5-Trimethylbenzene, T
- 2-Chlorotoluene, T
- tert-Butylbenzene, T
- sec-Butylbenzene, T
- 1,4-Dimethylbenzene, T
- 1,4-Dichlorobenzene, T
- 1,2-Dimethoxybenzene, T
- Hexachloroethane, T
- n-Butylbenzene, T
- 1,2-Dibromo-3-Chloropropane, T
- Naphthalene, T
- 1,2,3-Trichlorobenzene, T
- 1,2,4-Trichlorobenzene, T
- Hexachlorobutadiene, T