

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100821\
 Data File : VY006331.D
 Acq On : 07 Oct 2021 15:07
 Operator : SY/MD
 Sample : VY1008SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1008SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2021 6:04:03 PM

Quant Time: Oct 08 07:11:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	141990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	217656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	201198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104010	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	79345	52.21	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.42%
35) Dibromofluoromethane	7.728	113	60062	51.65	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.30%
50) Toluene-d8	10.185	98	250814	51.54	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.08%
62) 4-Bromofluorobenzene	12.483	95	85760	51.87	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.74%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	33614	23.34	ug/l	98
3) Chloromethane	2.119	50	37084	22.11	ug/l	97
4) Vinyl Chloride	2.259	62	41306	22.22	ug/l	97
5) Bromomethane	2.650	94	34823	28.82	ug/l	98
6) Chloroethane	2.802	64	25186	23.02	ug/l	95
7) Trichlorofluoromethane	3.137	101	53795	21.97	ug/l	94
8) Diethyl Ether	3.534	74	17755	21.95	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.905	101	27861	21.31	ug/l	97
10) Methyl Iodide	4.100	142	16797	11.79	ug/l	96
11) Tert butyl alcohol	4.966	59	16209	121.93	ug/l #	95
12) 1,1-Dichloroethene	3.881	96	27844	20.94	ug/l	97
13) Acrolein	3.735	56	5230	69.89	ug/l	99
14) Allyl chloride	4.491	41	52793	20.64	ug/l	98
15) Acrylonitrile	5.180	53	46839	110.10	ug/l	99
16) Acetone	3.954	43	43525	102.54	ug/l	93
17) Carbon Disulfide	4.204	76	92530	20.80	ug/l	99
18) Methyl Acetate	4.491	43	31451	21.97	ug/l	96
19) Methyl tert-butyl Ether	5.228	73	84628	21.79	ug/l	97
20) Methylene Chloride	4.728	84	40838	26.12	ug/l	87
21) trans-1,2-Dichloroethene	5.234	96	32197	21.84	ug/l	96
22) Diisopropyl ether	6.131	45	105739	20.90	ug/l	96
23) Vinyl Acetate	6.070	43	316466	104.35	ug/l	98
24) 1,1-Dichloroethane	6.027	63	57151	21.04	ug/l	98
25) 2-Butanone	6.996	43	61827	104.57	ug/l	94
26) 2,2-Dichloropropane	6.996	77	54746	22.04	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	35537	21.52	ug/l	94
28) Bromochloromethane	7.344	49	23817	21.06	ug/l	93
29) Tetrahydrofuran	7.356	42	40038	107.21	ug/l	96
30) Chloroform	7.514	83	58970	21.76	ug/l	95
31) Cyclohexane	7.795	56	57268	19.89	ug/l	96
32) 1,1,1-Trichloroethane	7.716	97	55734	22.28	ug/l	99
36) 1,1-Dichloropropene	7.923	75	45547	21.03	ug/l	99
37) Ethyl Acetate	7.082	43	26815	21.26	ug/l	99
38) Carbon Tetrachloride	7.905	117	50665	22.16	ug/l	95
39) Methylcyclohexane	9.191	83	55871	20.54	ug/l	93
40) Benzene	8.167	78	130735	21.28	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	14990m	18.32	ug/l	
42) 1,2-Dichloroethane	8.246	62	43947	22.20	ug/l	97
43) Isopropyl Acetate	8.277	43	51480	21.28	ug/l	96
44) Trichloroethene	8.947	130	35437	22.33	ug/l	99
45) 1,2-Dichloropropane	9.222	63	31468	20.80	ug/l	94
46) Dibromomethane	9.313	93	17429	21.64	ug/l	95
47) Bromodichloromethane	9.502	83	45414	21.90	ug/l	98
48) Methyl methacrylate	9.295	41	24430	21.05	ug/l	97
49) 1,4-Dioxane	9.307	88	4661	443.57	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	136613	108.74	ug/l	97
52) Toluene	10.246	92	82922	21.76	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	48742	21.56	ug/l	94
54) cis-1,3-Dichloropropene	9.935	75	53467	21.51	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	24493	21.61	ug/l	97
56) Ethyl methacrylate	10.514	69	36024	20.91	ug/l	95
57) 1,3-Dichloropropane	10.794	76	44120	21.52	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	86915	102.98	ug/l	96
59) 2-Hexanone	10.837	43	96754	108.13	ug/l	98
60) Dibromochloromethane	10.989	129	30276	21.99	ug/l	100
61) 1,2-Dibromoethane	11.093	107	22939	21.38	ug/l	99
64) Tetrachloroethene	10.721	164	39227	24.21	ug/l	95
65) Chlorobenzene	11.520	112	86520	21.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	32711	22.27	ug/l	99
67) Ethyl Benzene	11.593	91	159439	21.22	ug/l	98
68) m/p-Xylenes	11.703	106	123874	43.44	ug/l	97
69) o-Xylene	12.032	106	58465	21.71	ug/l	98
70) Styrene	12.044	104	99919	21.85	ug/l	99
71) Bromoform	12.209	173	20541	22.48	ug/l #	98
73) Isopropylbenzene	12.331	105	156573	21.02	ug/l	99
74) N-amyl acetate	12.142	43	46223	19.99	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	26306	19.55	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	24233m	23.97	ug/l	
77) Bromobenzene	12.611	156	37072	21.22	ug/l	95
78) n-propylbenzene	12.672	91	190468	20.77	ug/l	99
79) 2-Chlorotoluene	12.757	91	105659	20.82	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	133224	21.38	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	10847	21.09	ug/l	100
82) 4-Chlorotoluene	12.855	91	108438	20.66	ug/l	99
83) tert-Butylbenzene	13.074	119	113852	21.38	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	131498	21.38	ug/l	99
85) sec-Butylbenzene	13.251	105	173269	21.53	ug/l	100
86) p-Isopropyltoluene	13.367	119	145861	21.48	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	75343	21.77	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	74156	21.73	ug/l	99
89) n-Butylbenzene	13.696	91	135189	20.95	ug/l	100
90) Hexachloroethane	13.958	117	26633	21.59	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	66710	22.04	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5443	21.23	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	42311	21.16	ug/l	97
94) Hexachlorobutadiene	15.111	225	28979	22.21	ug/l	99
95) Naphthalene	15.233	128	83764	21.08	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	38651	21.81	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

MMDadoda
10/8/2021 6:04:03 PM

Abundance

TIC: VY006331.D\data.ms

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

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80000
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40000
20000
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Chlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
1,1,2-Trichloroethane, T
Methyl iodide, Carbon Disulfide, T
Methyl acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
Methyl 2-ethylhexanoate, T
1,1-Dichloroethane, P
Isopropyl ether, Vinyl Acetate, T
Ethyl Acetate, T
Methacrylonitrile, Chloroform, C
Dibromodifluoroethane, T
Carbon tetrachloride, T
1,2-Dichloroethane, TM
Isopropyl acetate, T
Trichloroethene, TM
Dichlorodifluoroethane, T
Methylcyclohexane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
2-Chloroethyl Vinyl ether, T
4-Methyl-2-Pentanone, T
Toluene, CM
2-Toluene-d8, S
Chlorobenzene, PM
Ethyl acetate, T
Styrene, 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-Dichlorobenzene, T
n-Butylbenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
Naphthalene, T
1,2,4-Trichlorobenzene, T
Hexachlorobutadiene, T
1,2,3-Trichlorobenzene, T