

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032223\
 Data File : VY013041.D
 Acq On : 22 Mar 2023 11:59
 Operator : KP/MD
 Sample : VY0322SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0322SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/23/2023
 Supervised By :Mahesh Dadoda 03/23/2023

Quant Time: Mar 23 05:19:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	111453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	168096	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	153493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	82376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	56898	51.418	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.840%			
35) Dibromofluoromethane	7.716	113	56969	56.157	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.320%			
50) Toluene-d8	10.179	98	180782	48.746	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.500%			
62) 4-Bromofluorobenzene	12.483	95	69090	55.194	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.380%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	20963	19.083	ug/l	93
3) Chloromethane	2.113	50	20305	15.461	ug/l	100
4) Vinyl Chloride	2.253	62	20411	16.949	ug/l	99
5) Bromomethane	2.637	94	14793	20.216	ug/l	93
6) Chloroethane	2.790	64	13068	18.119	ug/l	95
7) Trichlorofluoromethane	3.125	101	35845	17.921	ug/l	98
8) Diethyl Ether	3.528	74	13732	19.591	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.893	101	24355	20.239	ug/l	98
10) Methyl Iodide	4.088	142	27636	17.625	ug/l	100
11) Tert butyl alcohol	4.960	59	17002	123.392	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	21713	18.919	ug/l	97
13) Acrolein	3.729	56	14104	72.749	ug/l	98
14) Allyl chloride	4.479	41	38792	18.298	ug/l	98
15) Acrylonitrile	5.161	53	40407	109.409	ug/l	98
16) Acetone	3.948	43	49193	113.259	ug/l	98
17) Carbon Disulfide	4.192	76	63800	16.331	ug/l	100
18) Methyl Acetate	4.479	43	28068	21.700	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	61937	20.893	ug/l	97
20) Methylene Chloride	4.710	84	29671	19.062	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	24084	19.310	ug/l	93
22) Diisopropyl ether	6.119	45	79288	20.591	ug/l	96
23) Vinyl Acetate	6.058	43	252168	105.397	ug/l	99
24) 1,1-Dichloroethane	6.015	63	44254	20.169	ug/l	98
25) 2-Butanone	6.984	43	63560	118.148	ug/l	94
26) 2,2-Dichloropropane	6.978	77	38549	19.781	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	27169	20.318	ug/l	99
28) Bromochloromethane	7.332	49	17026	21.233	ug/l	98
29) Tetrahydrofuran	7.350	42	38053	117.281	ug/l	99
30) Chloroform	7.502	83	44677	20.614	ug/l	95
31) Cyclohexane	7.783	56	38666	18.245	ug/l	89
32) 1,1,1-Trichloroethane	7.698	97	40162	20.491	ug/l	99
36) 1,1-Dichloropropene	7.917	75	33698	19.822	ug/l	99
37) Ethyl Acetate	7.076	43	25389	23.695	ug/l	99
38) Carbon Tetrachloride	7.899	117	36173	20.605	ug/l	97
39) Methylcyclohexane	9.185	83	38434	19.016	ug/l	98
40) Benzene	8.161	78	98141	20.408	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	12934m	22.405	ug/l	
42) 1,2-Dichloroethane	8.234	62	31042	21.471	ug/l	99
43) Isopropyl Acetate	8.271	43	43445	22.726	ug/l	99
44) Trichloroethene	8.941	130	26129	20.609	ug/l	94
45) 1,2-Dichloropropane	9.216	63	25705	21.151	ug/l	97
46) Dibromomethane	9.301	93	15041	21.724	ug/l	98
47) Bromodichloromethane	9.496	83	35010	21.457	ug/l	99
48) Methyl methacrylate	9.289	41	19080	21.661	ug/l	98
49) 1,4-Dioxane	9.295	88	4264	476.390	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	127789	123.235	ug/l	99
52) Toluene	10.240	92	59795	20.618	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	35819	20.930	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	40390	20.851	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	21439	22.234	ug/l	97
56) Ethyl methacrylate	10.508	69	27879	21.684	ug/l	99
57) 1,3-Dichloropropane	10.788	76	36043	21.946	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	75578	111.978	ug/l	100
59) 2-Hexanone	10.831	43	95215	126.340	ug/l	98
60) Dibromochloromethane	10.984	129	26003	22.154	ug/l	99
61) 1,2-Dibromoethane	11.087	107	20192	21.739	ug/l	98
64) Tetrachloroethene	10.721	164	23505	21.033	ug/l	97
65) Chlorobenzene	11.514	112	64992	20.175	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	24872	20.865	ug/l	100
67) Ethyl Benzene	11.593	91	113450	20.031	ug/l	99
68) m/p-Xylenes	11.703	106	89460	41.058	ug/l	99
69) o-Xylene	12.026	106	41008	20.166	ug/l	98
70) Styrene	12.044	104	69305	20.423	ug/l	99
71) Bromoform	12.209	173	17102	22.004	ug/l #	100
73) Isopropylbenzene	12.331	105	110036	18.848	ug/l	99
74) N-amyl acetate	12.142	43	37234	20.270	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	28399	21.640	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	20670m	21.012	ug/l	
77) Bromobenzene	12.605	156	27448	19.353	ug/l	98
78) n-propylbenzene	12.672	91	139044	19.318	ug/l	99
79) 2-Chlorotoluene	12.758	91	77353	19.337	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	93228	19.350	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	9790	20.621	ug/l #	77
82) 4-Chlorotoluene	12.855	91	80219	19.372	ug/l	99
83) tert-Butylbenzene	13.075	119	80627	19.389	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	92197	19.570	ug/l	99
85) sec-Butylbenzene	13.251	105	123351	19.444	ug/l	99
86) p-Isopropyltoluene	13.367	119	101630	19.601	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	54398	19.887	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	54964	19.688	ug/l	97
89) n-Butylbenzene	13.696	91	95058	19.151	ug/l	99
90) Hexachloroethane	13.959	117	21293	19.718	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	49939	20.197	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4749	22.391	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	29782	19.562	ug/l	98
94) Hexachlorobutadiene	15.111	225	17940	19.320	ug/l	99
95) Naphthalene	15.233	128	59126	19.380	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	27211	20.097	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

