

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042823\
 Data File : VY013516.D
 Acq On : 28 Apr 2023 11:22
 Operator : KP/MD
 Sample : VY0428SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0428SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/29/2023
 Supervised By :Mahesh Dadoda 05/01/2023

Quant Time: Apr 28 15:19:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	305236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	465808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	420387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	214590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	166369	49.721	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.440%		
35) Dibromofluoromethane	7.716	113	146662	50.060	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.120%		
50) Toluene-d8	10.179	98	507643	48.708	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.420%		
62) 4-Bromofluorobenzene	12.483	95	181205	51.573	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	103.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	65158	22.454	ug/l	99
3) Chloromethane	2.113	50	75518	19.415	ug/l	99
4) Vinyl Chloride	2.247	62	73256	18.915	ug/l	98
5) Bromomethane	2.650	94	56557	18.325	ug/l	96
6) Chloroethane	2.790	64	48315	18.058	ug/l	95
7) Trichlorofluoromethane	3.125	101	123458	21.042	ug/l	96
8) Diethyl Ether	3.528	74	40561	20.301	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.899	101	67851	20.617	ug/l	97
10) Methyl Iodide	4.088	142	77641	18.784	ug/l	100
11) Tert butyl alcohol	4.991	59	35870	95.579	ug/l	99
12) 1,1-Dichloroethene	3.875	96	63390	19.983	ug/l	95
13) Acrolein	3.729	56	32662	106.641	ug/l	96
14) Allyl chloride	4.479	41	114748	19.494	ug/l	95
15) Acrylonitrile	5.161	53	116532	104.146	ug/l	100
16) Acetone	3.954	43	121978	92.568	ug/l	93
17) Carbon Disulfide	4.192	76	204741	19.869	ug/l	99
18) Methyl Acetate	4.479	43	85615	19.672	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	179103	19.556	ug/l	100
20) Methylene Chloride	4.716	84	93934	17.496	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	71252	20.543	ug/l	99
22) Diisopropyl ether	6.119	45	234758	20.405	ug/l #	96
23) Vinyl Acetate	6.058	43	717473	110.143	ug/l	95
24) 1,1-Dichloroethane	6.021	63	130304	20.322	ug/l	97
25) 2-Butanone	6.990	43	163280	97.705	ug/l	100
26) 2,2-Dichloropropane	6.978	77	114443	20.713	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	78016	20.358	ug/l	96
28) Bromochloromethane	7.332	49	48038	21.112	ug/l	83
29) Tetrahydrofuran	7.350	42	104348	100.310	ug/l	91
30) Chloroform	7.502	83	135758	21.295	ug/l	97
31) Cyclohexane	7.789	56	116761	19.490	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	121260	21.315	ug/l	98
36) 1,1-Dichloropropene	7.917	75	102579	21.097	ug/l	97
37) Ethyl Acetate	7.076	43	74802	20.443	ug/l #	94
38) Carbon Tetrachloride	7.899	117	110138	21.612	ug/l	95
39) Methylcyclohexane	9.185	83	115120	20.083	ug/l	97
40) Benzene	8.161	78	288191	21.041	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	38730m	22.714	ug/l	
42) 1,2-Dichloroethane	8.234	62	97039	21.671	ug/l	99
43) Isopropyl Acetate	8.271	43	124549	20.166	ug/l	97
44) Trichloroethene	8.941	130	76858	21.096	ug/l	97
45) 1,2-Dichloropropane	9.216	63	74986	20.939	ug/l	98
46) Dibromomethane	9.307	93	44906	20.957	ug/l	95
47) Bromodichloromethane	9.496	83	102203	21.316	ug/l	96
48) Methyl methacrylate	9.295	41	56226	19.823	ug/l	96
49) 1,4-Dioxane	9.307	88	12589	411.369	ug/l #	33
51) 4-Methyl-2-Pentanone	10.069	43	358118	104.056	ug/l	96
52) Toluene	10.240	92	177138	21.492	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	106452	20.978	ug/l	94
54) cis-1,3-Dichloropropene	9.929	75	117947	20.657	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	60803	21.428	ug/l	98
56) Ethyl methacrylate	10.508	69	80648	20.486	ug/l	91
57) 1,3-Dichloropropane	10.788	76	102101	21.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	175267	118.727	ug/l	93
59) 2-Hexanone	10.831	43	260327	104.058	ug/l	96
60) Dibromochloromethane	10.984	129	74022	21.484	ug/l	99
61) 1,2-Dibromoethane	11.087	107	59349	21.273	ug/l	99
64) Tetrachloroethene	10.721	164	67521	21.122	ug/l	98
65) Chlorobenzene	11.514	112	189378	20.680	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	73303	21.403	ug/l	99
67) Ethyl Benzene	11.593	91	335361	20.855	ug/l	98
68) m/p-Xylenes	11.703	106	260279	42.577	ug/l	98
69) o-Xylene	12.026	106	119856	20.731	ug/l	97
70) Styrene	12.044	104	207842	21.500	ug/l	99
71) Bromoform	12.209	173	50847	21.195	ug/l #	99
73) Isopropylbenzene	12.331	105	318377	19.616	ug/l	99
74) N-amyl acetate	12.142	43	107767	18.658	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	79595	20.063	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	58617m	20.255	ug/l	
77) Bromobenzene	12.605	156	80352	20.431	ug/l	94
78) n-propylbenzene	12.672	91	403398	20.178	ug/l	98
79) 2-Chlorotoluene	12.758	91	224003	20.065	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	273361	20.635	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	27196	19.223	ug/l	96
82) 4-Chlorotoluene	12.855	91	233906	20.102	ug/l	98
83) tert-Butylbenzene	13.075	119	229043	19.956	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	270118	20.972	ug/l	99
85) sec-Butylbenzene	13.251	105	348960	20.259	ug/l	98
86) p-Isopropyltoluene	13.367	119	283599	20.473	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	156638	20.906	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	157623	20.826	ug/l	100
89) n-Butylbenzene	13.696	91	271045	20.048	ug/l	98
90) Hexachloroethane	13.959	117	59104	20.273	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	142108	21.003	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14260	20.352	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	85530	21.202	ug/l	97
94) Hexachlorobutadiene	15.111	225	52586	22.399	ug/l	99
95) Naphthalene	15.233	128	173654	19.840	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	76840	21.371	ug/l	98

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

