

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
 Data File : VY007518.D
 Acq On : 17 Feb 2022 13:01
 Operator : SY/MD
 Sample : VY0217SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 18 07:37:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	110594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	173798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	153185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	72623	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	55685	45.605	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.220%		
35) Dibromofluoromethane	7.716	113	54466	49.694	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.380%		
50) Toluene-d8	10.179	98	196348	47.167	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.340%		
62) 4-Bromofluorobenzene	12.477	95	68077	48.230	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	28252	23.092	ug/l	92
3) Chloromethane	2.113	50	24628	21.501	ug/l	99
4) Vinyl Chloride	2.253	62	24738	20.097	ug/l	96
5) Bromomethane	2.643	94	18077	23.078	ug/l	97
6) Chloroethane	2.790	64	15671	21.515	ug/l	99
7) Trichlorofluoromethane	3.125	101	53789	22.989	ug/l	92
8) Diethyl Ether	3.527	74	14553	21.521	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.899	101	27727	21.552	ug/l	96
10) Methyl Iodide	4.088	142	30426	19.159	ug/l	96
11) Tert butyl alcohol	4.960	59	11038	115.564	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	26073	21.712	ug/l #	75
13) Acrolein	3.728	56	10070	104.988	ug/l	99
14) Allyl chloride	4.484	41	31435	18.625	ug/l #	87
15) Acrylonitrile	5.161	53	28481	95.673	ug/l	99
16) Acetone	3.948	43	26364	81.383	ug/l #	86
17) Carbon Disulfide	4.192	76	71641	20.712	ug/l	98
18) Methyl Acetate	4.472	43	13602	18.620	ug/l #	85
19) Methyl tert-butyl Ether	5.222	73	68364	20.527	ug/l #	86
20) Methylene Chloride	4.716	84	28946	21.801	ug/l #	82
21) trans-1,2-Dichloroethene	5.216	96	27021	20.594	ug/l	84
22) Diisopropyl ether	6.124	45	63275	17.832	ug/l #	91
23) Vinyl Acetate	6.057	43	206739	91.322	ug/l #	89
24) 1,1-Dichloroethane	6.021	63	43596	19.658	ug/l	97
25) 2-Butanone	6.990	43	34375	85.702	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	44955	20.230	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	29576	20.222	ug/l	85
28) Bromochloromethane	7.332	49	14496	17.055	ug/l #	62
29) Tetrahydrofuran	7.350	42	22241	94.491	ug/l #	72
30) Chloroform	7.508	83	48558	20.283	ug/l	98
31) Cyclohexane	7.783	56	39693	18.383	ug/l #	83
32) 1,1,1-Trichloroethane	7.703	97	47725	20.934	ug/l	93
36) 1,1-Dichloropropene	7.917	75	36248	20.413	ug/l	96
37) Ethyl Acetate	7.069	43	15752	19.634	ug/l #	92
38) Carbon Tetrachloride	7.898	117	44453	22.031	ug/l	94
39) Methylcyclohexane	9.185	83	46378	20.117	ug/l	89
40) Benzene	8.161	78	98052	20.083	ug/l	97

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41) Methacrylonitrile	7.332	41	11208m	21.519	ug/l	
42) 1,2-Dichloroethane	8.234	62	30350	20.342	ug/l	93
43) Isopropyl Acetate	8.276	43	31304	19.210	ug/l #	87
44) Trichloroethene	8.941	130	30203	21.806	ug/l	99
45) 1,2-Dichloropropane	9.215	63	22966	19.783	ug/l	96
46) Dibromomethane	9.307	93	15133	20.992	ug/l	96
47) Bromodichloromethane	9.496	83	37636	21.498	ug/l	96
48) Methyl methacrylate	9.295	41	14046	19.451	ug/l #	80
49) 1,4-Dioxane	9.301	88	3562	458.994	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	78447	96.935	ug/l #	87
52) Toluene	10.246	92	64503	20.604	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	37497	20.514	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	42792	20.980	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	20139	21.063	ug/l	97
56) Ethyl methacrylate	10.508	69	26531	20.635	ug/l #	78
57) 1,3-Dichloropropane	10.788	76	34575	20.998	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	63502	94.786	ug/l	90
59) 2-Hexanone	10.831	43	54961	94.069	ug/l	87
60) Dibromochloromethane	10.983	129	26689	22.136	ug/l	99
61) 1,2-Dibromoethane	11.087	107	20357	21.354	ug/l	98
64) Tetrachloroethene	10.715	164	27516	22.777	ug/l	97
65) Chlorobenzene	11.514	112	70036	20.874	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	27469	21.678	ug/l	99
67) Ethyl Benzene	11.593	91	129672	20.650	ug/l	97
68) m/p-Xylenes	11.703	106	98146	41.300	ug/l	99
69) o-Xylene	12.026	106	46236	20.562	ug/l	99
70) Styrene	12.044	104	77695	21.014	ug/l	98
71) Bromoform	12.209	173	15706	22.504	ug/l #	99
73) Isopropylbenzene	12.331	105	129476	20.124	ug/l	99
74) N-amyl acetate	12.142	43	26868	18.446	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	22068	20.025	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	16262m	19.380	ug/l	
77) Bromobenzene	12.605	156	28136	20.365	ug/l	93
78) n-propylbenzene	12.672	91	154562	19.964	ug/l	97
79) 2-Chlorotoluene	12.757	91	83237	19.502	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	107545	20.180	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	7897	19.560	ug/l	85
82) 4-Chlorotoluene	12.855	91	87060	19.897	ug/l	100
83) tert-Butylbenzene	13.074	119	96061	20.623	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	106115	20.536	ug/l	98
85) sec-Butylbenzene	13.251	105	139380	20.300	ug/l	100
86) p-Isopropyltoluene	13.367	119	119073	21.054	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	56219	20.901	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	54336	20.358	ug/l	98
89) n-Butylbenzene	13.696	91	108245	20.127	ug/l	99
90) Hexachloroethane	13.958	117	22658	20.966	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	49915	21.070	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3833	20.487	ug/l	86
93) 1,2,4-Trichlorobenzene	15.001	180	31471	22.191	ug/l	98
94) Hexachlorobutadiene	15.111	225	18125	22.034	ug/l	96
95) Naphthalene	15.233	128	65952	21.345	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	27015	22.027	ug/l	98

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

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