

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041222\
 Data File : VY008284.D
 Acq On : 12 Apr 2022 13:03
 Operator : KP/MD
 Sample : VY0412SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0412SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/13/2022
 Supervised By : Mahesh Dadoda 04/13/2022

Quant Time: Apr 13 08:11:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	134151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	230973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	216609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	105776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	64488	51.176	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.360%			
35) Dibromofluoromethane	7.716	113	65469	49.075	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.140%			
50) Toluene-d8	10.179	98	231800	50.779	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.560%			
62) 4-Bromofluorobenzene	12.483	95	86226	50.220	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21490	19.344	ug/l	97
3) Chloromethane	2.113	50	28981	19.652	ug/l	97
4) Vinyl Chloride	2.247	62	38986	20.399	ug/l	97
5) Bromomethane	2.643	94	36727	22.215	ug/l	95
6) Chloroethane	2.790	64	27244	20.353	ug/l	96
7) Trichlorofluoromethane	3.119	101	47294	20.797	ug/l	98
8) Diethyl Ether	3.527	74	16608	20.208	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.899	101	29544	20.000	ug/l	95
10) Methyl Iodide	4.088	142	28019	18.553	ug/l	90
11) Tert butyl alcohol	4.954	59	14724	109.297	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	26915	20.341	ug/l #	79
13) Acrolein	3.729	56	7328	69.084	ug/l	98
14) Allyl chloride	4.472	41	34813	20.160	ug/l #	90
15) Acrylonitrile	5.161	53	40642	101.109	ug/l	98
16) Acetone	3.942	43	28855	95.204	ug/l #	83
17) Carbon Disulfide	4.192	76	71102	20.369	ug/l	99
18) Methyl Acetate	4.472	43	19162	22.704	ug/l #	82
19) Methyl tert-butyl Ether	5.216	73	82408	20.181	ug/l	94
20) Methylene Chloride	4.716	84	35579	17.117	ug/l #	78
21) trans-1,2-Dichloroethene	5.216	96	31292	19.739	ug/l	82
22) Diisopropyl ether	6.112	45	82263	20.192	ug/l #	94
23) Vinyl Acetate	6.057	43	266955	101.125	ug/l #	84
24) 1,1-Dichloroethane	6.009	63	52783	20.183	ug/l	95
25) 2-Butanone	6.984	43	48963	103.314	ug/l #	76
26) 2,2-Dichloropropane	6.978	77	48435	20.111	ug/l	93
27) cis-1,2-Dichloroethene	6.978	96	37982	20.193	ug/l	82
28) Bromochloromethane	7.326	49	18048	18.005	ug/l #	70
29) Tetrahydrofuran	7.344	42	32016	104.634	ug/l #	74
30) Chloroform	7.502	83	58633	20.079	ug/l	98
31) Cyclohexane	7.777	56	45524	19.978	ug/l #	75
32) 1,1,1-Trichloroethane	7.697	97	51856	20.300	ug/l	95
36) 1,1-Dichloropropene	7.917	75	41919	19.677	ug/l	94
37) Ethyl Acetate	7.069	43	22994	20.933	ug/l #	91
38) Carbon Tetrachloride	7.899	117	45520	19.862	ug/l	97
39) Methylcyclohexane	9.185	83	54426	19.856	ug/l #	85
40) Benzene	8.161	78	125070	19.716	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	11794m	19.193	ug/l	
42) 1,2-Dichloroethane	8.234	62	37301	20.268	ug/l	91
43) Isopropyl Acetate	8.270	43	42412	20.804	ug/l #	86
44) Trichloroethene	8.941	130	35401	19.581	ug/l	98
45) 1,2-Dichloropropane	9.215	63	30830	19.894	ug/l	96
46) Dibromomethane	9.307	93	20750	20.231	ug/l	95
47) Bromodichloromethane	9.496	83	46876	20.322	ug/l	95
48) Methyl methacrylate	9.295	41	17779	20.515	ug/l #	76
49) 1,4-Dioxane	9.301	88	5473	413.484	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	111960	106.358	ug/l #	84
52) Toluene	10.246	92	84438	20.202	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	46396	19.736	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	52830	19.920	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	29462	20.137	ug/l	95
56) Ethyl methacrylate	10.508	69	36896	20.569	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	46994	20.002	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	71162	100.713	ug/l	92
59) 2-Hexanone	10.831	43	77781	107.383	ug/l	81
60) Dibromochloromethane	10.983	129	33050	19.338	ug/l	100
61) 1,2-Dibromoethane	11.087	107	28334	19.807	ug/l	100
64) Tetrachloroethene	10.721	164	29870	19.565	ug/l	99
65) Chlorobenzene	11.514	112	91390	19.455	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	34374	19.610	ug/l	96
67) Ethyl Benzene	11.593	91	160282	20.064	ug/l	96
68) m/p-Xylenes	11.703	106	127861	40.245	ug/l	90
69) o-Xylene	12.032	106	61741	20.026	ug/l	90
70) Styrene	12.044	104	101917	20.044	ug/l	94
71) Bromoform	12.209	173	19875	18.810	ug/l #	100
73) Isopropylbenzene	12.331	105	160875	20.457	ug/l	99
74) N-amyl acetate	12.142	43	37530	21.981	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	34972	21.016	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	21603m	18.466	ug/l	
77) Bromobenzene	12.611	156	37169	19.287	ug/l	95
78) n-propylbenzene	12.672	91	190936	20.575	ug/l	98
79) 2-Chlorotoluene	12.757	91	108786	20.888	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	132054	20.478	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	11019	21.075	ug/l #	83
82) 4-Chlorotoluene	12.855	91	109418	20.445	ug/l	97
83) tert-Butylbenzene	13.075	119	117276	20.272	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	129886	20.353	ug/l	98
85) sec-Butylbenzene	13.251	105	175453	20.457	ug/l	100
86) p-Isopropyltoluene	13.373	119	144755	20.225	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	74221	19.447	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	74279	19.664	ug/l	98
89) n-Butylbenzene	13.696	91	134989	20.876	ug/l	99
90) Hexachloroethane	13.965	117	27056	20.226	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	67064	19.750	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5313	22.316	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	38270	19.055	ug/l	98
94) Hexachlorobutadiene	15.111	225	19338	18.966	ug/l	96
95) Naphthalene	15.239	128	84982	19.754	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	33772	19.216	ug/l	99

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

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