

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040622\
 Data File : VY008229.D
 Acq On : 06 Apr 2022 12:57
 Operator : SY/MD
 Sample : VY0406SBS04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS04

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/07/2022
 Supervised By : Mahesh Dadoda 04/07/2022

Quant Time: Apr 07 02:10:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	150434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	251349	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	219554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	64228	42.555	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.100%		
35) Dibromofluoromethane	7.716	113	72064	45.729	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.460%		
50) Toluene-d8	10.179	98	273391	46.047	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.100%		
62) 4-Bromofluorobenzene	12.483	95	89211	42.590	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	85.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	27104	19.987	ug/l	98
3) Chloromethane	2.113	50	34493	20.888	ug/l	94
4) Vinyl Chloride	2.253	62	46097	20.980	ug/l	97
5) Bromomethane	2.643	94	37415	20.778	ug/l	98
6) Chloroethane	2.790	64	30464	21.078	ug/l	99
7) Trichlorofluoromethane	3.125	101	51505	18.531	ug/l	91
8) Diethyl Ether	3.527	74	15980	17.754	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.899	101	32412	18.799	ug/l	94
10) Methyl Iodide	4.088	142	33893	17.957	ug/l #	88
11) Tert butyl alcohol	4.954	59	11350	72.480	ug/l	96
12) 1,1-Dichloroethene	3.869	96	30516	19.119	ug/l #	77
13) Acrolein	3.729	56	7784	61.071	ug/l	98
14) Allyl chloride	4.472	41	37924	18.059	ug/l #	91
15) Acrylonitrile	5.155	53	35052	81.758	ug/l	96
16) Acetone	3.942	43	26084	75.609	ug/l	92
17) Carbon Disulfide	4.192	76	84418	18.666	ug/l	99
18) Methyl Acetate	4.479	43	16307	12.531	ug/l #	83
19) Methyl tert-butyl Ether	5.216	73	75910	16.735	ug/l	93
20) Methylene Chloride	4.716	84	42854	21.759	ug/l #	75
21) trans-1,2-Dichloroethene	5.222	96	35532	19.226	ug/l #	77
22) Diisopropyl ether	6.118	45	83841	18.557	ug/l #	90
23) Vinyl Acetate	6.058	43	245800	87.802	ug/l #	85
24) 1,1-Dichloroethane	6.021	63	56445	18.871	ug/l	95
25) 2-Butanone	6.984	43	40875	77.859	ug/l #	77
26) 2,2-Dichloropropane	6.978	77	51899	18.322	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	39901	18.626	ug/l	81
28) Bromochloromethane	7.332	49	18618	18.292	ug/l #	72
29) Tetrahydrofuran	7.350	42	27882	81.691	ug/l #	77
30) Chloroform	7.502	83	60449	18.665	ug/l	99
31) Cyclohexane	7.783	56	51329	18.194	ug/l #	78
32) 1,1,1-Trichloroethane	7.704	97	55796	18.646	ug/l	93
36) 1,1-Dichloropropene	7.917	75	47159	19.051	ug/l	96
37) Ethyl Acetate	7.070	43	20012	17.305	ug/l #	93
38) Carbon Tetrachloride	7.893	117	49223	18.247	ug/l	93
39) Methylcyclohexane	9.185	83	60813	18.200	ug/l #	85
40) Benzene	8.161	78	136402	19.263	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	9708	16.719	ug/l #	1
42) 1,2-Dichloroethane	8.234	62	35105	17.673	ug/l	90
43) Isopropyl Acetate	8.271	43	36263	15.974	ug/l #	84
44) Trichloroethene	8.941	130	38830	18.964	ug/l	100
45) 1,2-Dichloropropane	9.215	63	31710	19.002	ug/l	94
46) Dibromomethane	9.307	93	19044	17.356	ug/l	96
47) Bromodichloromethane	9.496	83	44592	17.772	ug/l	100
48) Methyl methacrylate	9.295	41	15255	15.172	ug/l #	77
49) 1,4-Dioxane	9.295	88	4227	289.781	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	92876	81.118	ug/l #	82
52) Toluene	10.240	92	88773	19.117	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	43786	17.024	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	51653	17.741	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	26624	17.572	ug/l	97
56) Ethyl methacrylate	10.508	69	31850	16.115	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	44512	17.950	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	63591	77.656	ug/l	90
59) 2-Hexanone	10.831	43	63496	79.253	ug/l	78
60) Dibromochloromethane	10.983	129	31392	17.036	ug/l	99
61) 1,2-Dibromoethane	11.087	107	25712	17.039	ug/l	99
64) Tetrachloroethene	10.721	164	32512	19.280	ug/l	97
65) Chlorobenzene	11.514	112	94327	19.054	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	32962	18.051	ug/l	96
67) Ethyl Benzene	11.593	91	168789	19.453	ug/l	99
68) m/p-Xylenes	11.703	106	132982	38.544	ug/l	91
69) o-Xylene	12.032	106	63606	19.255	ug/l	87
70) Styrene	12.044	104	101360	18.743	ug/l	94
71) Bromoform	12.209	173	17375	15.759	ug/l #	99
73) Isopropylbenzene	12.331	105	165717	19.387	ug/l	99
74) N-amyl acetate	12.142	43	31070	16.536	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	30244	18.204	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	25208m	19.969	ug/l	
77) Bromobenzene	12.611	156	37058	18.898	ug/l	92
78) n-propylbenzene	12.672	91	197773	19.616	ug/l	98
79) 2-Chlorotoluene	12.758	91	108537	19.406	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	135339	19.327	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	8993	15.895	ug/l #	85
82) 4-Chlorotoluene	12.855	91	111441	19.419	ug/l	96
83) tert-Butylbenzene	13.075	119	120846	19.371	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	130600	19.152	ug/l	96
85) sec-Butylbenzene	13.251	105	179934	19.540	ug/l	99
86) p-Isopropyltoluene	13.367	119	148368	19.360	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	74861	19.256	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	72610	18.728	ug/l	99
89) n-Butylbenzene	13.696	91	136359	19.339	ug/l	99
90) Hexachloroethane	13.959	117	26426	17.797	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	64586	18.869	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3982	15.017	ug/l	76
93) 1,2,4-Trichlorobenzene	15.007	180	35251	17.195	ug/l	98
94) Hexachlorobutadiene	15.111	225	19259	17.758	ug/l	97
95) Naphthalene	15.239	128	69988	15.445	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	30062	16.947	ug/l	99

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

