

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040722\
 Data File : VY008242.D
 Acq On : 07 Apr 2022 12:52
 Operator : SY/MD
 Sample : VY0407SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0407SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/08/2022
 Supervised By : Mahesh Dadoda 04/08/2022

Quant Time: Apr 08 02:33:51 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	140391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	242330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	227222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	59717	42.396	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.800%		
35) Dibromofluoromethane	7.716	113	60445	39.784	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	79.560%		
50) Toluene-d8	10.179	98	212331	37.094	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	74.180%		
62) 4-Bromofluorobenzene	12.483	95	78998	39.118	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	78.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21099	16.672	ug/l	99
3) Chloromethane	2.113	50	28368	18.407	ug/l	95
4) Vinyl Chloride	2.253	62	36455	17.779	ug/l	99
5) Bromomethane	2.643	94	34188	20.345	ug/l	99
6) Chloroethane	2.790	64	25184	18.671	ug/l	93
7) Trichlorofluoromethane	3.125	101	42117	16.237	ug/l	92
8) Diethyl Ether	3.527	74	15297	18.211	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.905	101	26925	16.734	ug/l	91
10) Methyl Iodide	4.088	142	24119	14.096	ug/l	91
11) Tert butyl alcohol	4.954	59	12503	85.554	ug/l	96
12) 1,1-Dichloroethene	3.875	96	24358	16.353	ug/l #	78
13) Acrolein	3.735	56	7939	66.742	ug/l	100
14) Allyl chloride	4.478	41	31041	15.839	ug/l #	88
15) Acrylonitrile	5.161	53	37302	93.230	ug/l	97
16) Acetone	3.948	43	28162	87.473	ug/l	96
17) Carbon Disulfide	4.192	76	67878	16.082	ug/l	99
18) Methyl Acetate	4.478	43	17304	15.418	ug/l #	80
19) Methyl tert-butyl Ether	5.216	73	74425	17.582	ug/l	93
20) Methylene Chloride	4.716	84	34755	18.230	ug/l #	79
21) trans-1,2-Dichloroethene	5.216	96	29992	17.389	ug/l #	81
22) Diisopropyl ether	6.118	45	78411	18.597	ug/l #	91
23) Vinyl Acetate	6.057	43	248169	94.990	ug/l #	87
24) 1,1-Dichloroethane	6.015	63	49104	17.591	ug/l	96
25) 2-Butanone	6.984	43	44132	90.076	ug/l #	74
26) 2,2-Dichloropropane	6.984	77	43678	16.523	ug/l	93
27) cis-1,2-Dichloroethene	6.990	96	35162	17.588	ug/l	81
28) Bromochloromethane	7.332	49	17712	18.841	ug/l #	69
29) Tetrahydrofuran	7.350	42	29380	92.238	ug/l #	76
30) Chloroform	7.508	83	53863	17.821	ug/l	96
31) Cyclohexane	7.783	56	42932	16.306	ug/l #	78
32) 1,1,1-Trichloroethane	7.703	97	46747	16.739	ug/l	94
36) 1,1-Dichloropropene	7.917	75	39281	16.459	ug/l	94
37) Ethyl Acetate	7.076	43	19465	17.459	ug/l #	89
38) Carbon Tetrachloride	7.899	117	39874	15.331	ug/l	98
39) Methylcyclohexane	9.185	83	51438	15.968	ug/l #	85
40) Benzene	8.161	78	118239	17.320	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	9748m	17.413	ug/l	
42) 1,2-Dichloroethane	8.240	62	34310	17.916	ug/l	89
43) Isopropyl Acetate	8.270	43	37817	17.279	ug/l #	85
44) Trichloroethene	8.941	130	33218	16.827	ug/l	99
45) 1,2-Dichloropropane	9.215	63	28641	17.802	ug/l	97
46) Dibromomethane	9.307	93	19198	18.147	ug/l	95
47) Bromodichloromethane	9.496	83	41551	17.176	ug/l	98
48) Methyl methacrylate	9.295	41	16121	16.630	ug/l #	75
49) 1,4-Dioxane	9.295	88	5200	369.752	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	97976	88.757	ug/l #	83
52) Toluene	10.246	92	78273	17.483	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	43005	17.343	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	49403	17.600	ug/l #	83
55) 1,1,2-Trichloroethane	10.648	97	26867	18.392	ug/l	99
56) Ethyl methacrylate	10.508	69	32828	17.228	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	44150	18.467	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	67072	84.955	ug/l #	89
59) 2-Hexanone	10.831	43	68548	88.743	ug/l	81
60) Dibromochloromethane	10.983	129	31014	17.457	ug/l	100
61) 1,2-Dibromoethane	11.087	107	26198	18.007	ug/l	100
64) Tetrachloroethene	10.721	164	27993	16.040	ug/l	99
65) Chlorobenzene	11.514	112	87179	17.016	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	31902	16.881	ug/l	95
67) Ethyl Benzene	11.593	91	147638	16.441	ug/l	98
68) m/p-Xylenes	11.703	106	118783	33.267	ug/l	88
69) o-Xylene	12.032	106	55364	16.194	ug/l	90
70) Styrene	12.044	104	93791	16.759	ug/l	94
71) Bromoform	12.209	173	18625	16.323	ug/l #	96
73) Isopropylbenzene	12.331	105	145753	15.805	ug/l	100
74) N-amyl acetate	12.142	43	33273	16.413	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	31801	17.741	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	24220m	17.783	ug/l	
77) Bromobenzene	12.611	156	35982	17.007	ug/l	91
78) n-propylbenzene	12.672	91	173775	15.975	ug/l	98
79) 2-Chlorotoluene	12.757	91	97015	16.077	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	120019	15.886	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	9313	15.257	ug/l	84
82) 4-Chlorotoluene	12.855	91	100460	16.225	ug/l	97
83) tert-Butylbenzene	13.074	119	105654	15.697	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	119156	16.196	ug/l	96
85) sec-Butylbenzene	13.251	105	159801	16.085	ug/l	99
86) p-Isopropyltoluene	13.373	119	131886	15.951	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	69526	16.576	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	69156	16.532	ug/l	99
89) n-Butylbenzene	13.696	91	122868	16.151	ug/l	99
90) Hexachloroethane	13.958	117	24661	15.394	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	62574	16.944	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4294	15.009	ug/l	72
93) 1,2,4-Trichlorobenzene	15.007	180	35186	15.908	ug/l	98
94) Hexachlorobutadiene	15.111	225	18035	15.413	ug/l	96
95) Naphthalene	15.239	128	75701	15.484	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	31141	16.272	ug/l	98

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

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