

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032522\
 Data File : VY008033.D
 Acq On : 25 Mar 2022 18:33
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY032522

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 26 03:26:16 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	181280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	310036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	283357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	142170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	95695	52.615	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.220%			
35) Dibromofluoromethane	7.716	113	100401	51.651	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.300%			
50) Toluene-d8	10.179	98	386503	52.776	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.560%			
62) 4-Bromofluorobenzene	12.483	95	137708	53.298	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	83841	51.305	ug/l	98
3) Chloromethane	2.113	50	103269	51.895	ug/l	93
4) Vinyl Chloride	2.247	62	134753	50.894	ug/l	98
5) Bromomethane	2.649	94	109109	50.283	ug/l	97
6) Chloroethane	2.790	64	87087	50.002	ug/l	100
7) Trichlorofluoromethane	3.125	101	166896	49.830	ug/l	93
8) Diethyl Ether	3.527	74	54839	50.560	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.899	101	105177	50.624	ug/l	93
10) Methyl Iodide	4.088	142	109936	45.462	ug/l	91
11) Tert butyl alcohol	4.948	59	45387	240.519	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	98224	51.069	ug/l #	75
13) Acrolein	3.729	56	34626	225.438	ug/l	95
14) Allyl chloride	4.478	41	129104	51.017	ug/l #	90
15) Acrylonitrile	5.161	53	125637	243.181	ug/l	98
16) Acetone	3.948	43	97534	234.614	ug/l #	88
17) Carbon Disulfide	4.192	76	280153	51.405	ug/l	100
18) Methyl Acetate	4.472	43	53568	48.895	ug/l #	80
19) Methyl tert-butyl Ether	5.216	73	273190	49.980	ug/l	94
20) Methylene Chloride	4.716	84	110186	52.313	ug/l #	77
21) trans-1,2-Dichloroethene	5.222	96	113598	51.008	ug/l #	79
22) Diisopropyl ether	6.118	45	281019	51.617	ug/l #	89
23) Vinyl Acetate	6.057	43	923882	273.865	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	183107	50.802	ug/l	98
25) 2-Butanone	6.984	43	154222	243.777	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	174339	51.074	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	129672	50.233	ug/l	81
28) Bromochloromethane	7.332	49	51904	55.489	ug/l #	70
29) Tetrahydrofuran	7.344	42	100994	245.551	ug/l #	74
30) Chloroform	7.502	83	198172	50.777	ug/l	100
31) Cyclohexane	7.783	56	164057	48.256	ug/l #	82
32) 1,1,1-Trichloroethane	7.703	97	184906	51.277	ug/l	95
36) 1,1-Dichloropropene	7.917	75	154240	50.514	ug/l	96
37) Ethyl Acetate	7.075	43	70760	49.607	ug/l #	89
38) Carbon Tetrachloride	7.899	117	167130	50.226	ug/l	99
39) Methylcyclohexane	9.179	83	203507	49.378	ug/l	86
40) Benzene	8.161	78	440495	50.433	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	31902m	44.542	ug/l	
42) 1,2-Dichloroethane	8.234	62	121408	49.552	ug/l	89
43) Isopropyl Acetate	8.270	43	135157	48.268	ug/l #	85
44) Trichloroethene	8.941	130	126739	50.180	ug/l	99
45) 1,2-Dichloropropane	9.215	63	104367	50.702	ug/l	95
46) Dibromomethane	9.301	93	68312	50.472	ug/l	94
47) Bromodichloromethane	9.496	83	157462	50.877	ug/l	98
48) Methyl methacrylate	9.289	41	58878	47.474	ug/l #	76
49) 1,4-Dioxane	9.289	88	18250	1014.298	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	348618	246.847	ug/l #	84
52) Toluene	10.240	92	295129	51.524	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	164194	51.755	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	181548	50.552	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	95602	51.154	ug/l	98
56) Ethyl methacrylate	10.508	69	125164	51.342	ug/l #	73
57) 1,3-Dichloropropane	10.788	76	154916	50.646	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	242480	240.060	ug/l #	88
59) 2-Hexanone	10.831	43	242454	245.338	ug/l	80
60) Dibromochloromethane	10.983	129	117604	51.740	ug/l	100
61) 1,2-Dibromoethane	11.087	107	95434	51.272	ug/l	98
64) Tetrachloroethene	10.721	164	106174	48.786	ug/l	99
65) Chlorobenzene	11.514	112	323857	50.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	121748	51.660	ug/l	97
67) Ethyl Benzene	11.593	91	570209	50.920	ug/l	96
68) m/p-Xylenes	11.703	106	456575	102.537	ug/l	90
69) o-Xylene	12.026	106	219637	51.517	ug/l	89
70) Styrene	12.044	104	364278	52.194	ug/l	94
71) Bromoform	12.209	173	74130	52.097	ug/l #	98
73) Isopropylbenzene	12.331	105	576115	49.094	ug/l	98
74) N-amyl acetate	12.142	43	122469	47.476	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	111198	48.752	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	78084m	45.056	ug/l	
77) Bromobenzene	12.605	156	134518	49.967	ug/l	91
78) n-propylbenzene	12.672	91	682534	49.310	ug/l	96
79) 2-Chlorotoluene	12.757	91	378108	49.242	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	476183	49.533	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	37726	48.569	ug/l #	81
82) 4-Chlorotoluene	12.855	91	388813	49.350	ug/l	96
83) tert-Butylbenzene	13.074	119	429950	50.199	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	464729	49.641	ug/l	96
85) sec-Butylbenzene	13.251	105	625566	49.483	ug/l	98
86) p-Isopropyltoluene	13.367	119	525430	49.940	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	269160	50.429	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	268499	50.442	ug/l	98
89) n-Butylbenzene	13.696	91	473353	48.899	ug/l	97
90) Hexachloroethane	13.958	117	101915	49.994	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	239371	50.939	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17216	47.291	ug/l	76
93) 1,2,4-Trichlorobenzene	15.007	180	139222	49.466	ug/l	98
94) Hexachlorobutadiene	15.111	225	71708	48.161	ug/l	99
95) Naphthalene	15.239	128	304932	49.015	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	119055	48.888	ug/l	98

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

