

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
 Data File : VY008534.D
 Acq On : 27 Apr 2022 17:54
 Operator : KP/MD
 Sample : N2577-11MSD
 Misc : 7.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GT-04-(25-30)MSD

Quant Time: Apr 28 01:34:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/28/2022
 Supervised By : Mahesh Dadoda 05/04/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	176573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	277822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	241063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	75240	36.215	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	72.420%		
35) Dibromofluoromethane	7.716	113	88716	49.479	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.960%		
50) Toluene-d8	10.179	98	323517	45.481	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.960%		
62) 4-Bromofluorobenzene	12.483	95	109754	45.459	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	68928	42.987	ug/l	98
3) Chloromethane	2.113	50	70532	27.954	ug/l	95
4) Vinyl Chloride	2.253	62	96302	29.373	ug/l	99
5) Bromomethane	2.656	94	84253	27.638	ug/l	99
6) Chloroethane	2.796	64	64253	29.459	ug/l	97
7) Trichlorofluoromethane	3.131	101	149504	44.019	ug/l	95
8) Diethyl Ether	3.534	74	45039	38.530	ug/l	62
9) 1,1,2-Trichlorotrifluo...	3.900	101	87281	43.170	ug/l	91
10) Methyl Iodide	4.095	142	121535	45.773	ug/l #	88
11) Tert butyl alcohol	4.960	59	34729	155.857	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	84966	44.514	ug/l #	71
13) Acrolein	3.729	56	24824	112.226	ug/l	99
14) Allyl chloride	4.485	41	67658	27.157	ug/l #	87
15) Acrylonitrile	5.161	53	99433	166.367	ug/l	97
16) Acetone	3.948	43	75857	156.757	ug/l #	81
17) Carbon Disulfide	4.198	76	259389	44.950	ug/l	100
18) Methyl Acetate	4.473	43	43548	32.089	ug/l #	74
19) Methyl tert-butyl Ether	5.222	73	212042	35.109	ug/l	91
20) Methylene Chloride	4.716	84	104094	40.145	ug/l #	73
21) trans-1,2-Dichloroethene	5.222	96	94750	40.694	ug/l #	77
22) Diisopropyl ether	6.119	45	191453	31.822	ug/l #	88
23) Vinyl Acetate	6.064	43	601245	145.762	ug/l #	80
24) 1,1-Dichloroethane	6.021	63	139435	37.232	ug/l #	95
25) 2-Butanone	6.984	43	116898	156.146	ug/l #	73
26) 2,2-Dichloropropane	6.984	77	135055	38.937	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	106834	40.114	ug/l	76
28) Bromochloromethane	7.338	49	49768	32.945	ug/l #	42
29) Tetrahydrofuran	7.350	42	74665	154.845	ug/l #	63
30) Chloroform	7.509	83	159650	38.803	ug/l	99
31) Cyclohexane	7.789	56	113804	33.320	ug/l #	74
32) 1,1,1-Trichloroethane	7.704	97	150719	41.836	ug/l #	92
36) 1,1-Dichloropropene	7.917	75	117867	41.326	ug/l	93
37) Ethyl Acetate	7.076	43	51272	32.506	ug/l #	86
38) Carbon Tetrachloride	7.905	117	129805	43.804	ug/l	98
39) Methylcyclohexane	9.185	83	165755	45.389	ug/l #	82
40) Benzene	8.161	78	340552	40.927	ug/l	96

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41) Methacrylonitrile	7.326	41	29581m	38.672	ug/l	
42) 1,2-Dichloroethane	8.240	62	91389	36.481	ug/l	86
43) Isopropyl Acetate	8.277	43	99538	34.312	ug/l #	81
44) Trichloroethene	8.941	130	111510	48.643	ug/l	94
45) 1,2-Dichloropropane	9.216	63	76776	38.424	ug/l	93
46) Dibromomethane	9.307	93	53555	38.256	ug/l	92
47) Bromodichloromethane	9.496	83	112541	37.871	ug/l	98
48) Methyl methacrylate	9.295	41	43849	35.550	ug/l #	74
49) 1,4-Dioxane	9.295	88	14387	815.002	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	255535	167.449	ug/l #	80
52) Toluene	10.246	92	224243	40.751	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	107838	33.838	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	118958	33.684	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	92361	48.339	ug/l	94
56) Ethyl methacrylate	10.514	69	104026	42.166	ug/l #	74
57) 1,3-Dichloropropane	10.795	76	117152	37.561	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	229079	169.429	ug/l #	82
59) 2-Hexanone	10.831	43	218515	208.079	ug/l	92
60) Dibromochloromethane	10.984	129	84487	38.487	ug/l	99
61) 1,2-Dibromoethane	11.093	107	76235	40.341	ug/l	98
64) Tetrachloroethene	10.721	164	110411	61.762	ug/l	99
65) Chlorobenzene	11.520	112	249029	45.687	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	95538	47.475	ug/l	98
67) Ethyl Benzene	11.593	91	419461	44.342	ug/l	95
68) m/p-Xylenes	11.703	106	339662	89.640	ug/l	88
69) o-Xylene	12.032	106	163900	44.929	ug/l	86
70) Styrene	12.044	104	266096	43.285	ug/l	94
71) Bromoform	12.209	173	54799	43.452	ug/l #	100
73) Isopropylbenzene	12.331	105	447120	50.769	ug/l	97
74) N-amyl acetate	12.142	43	116979	53.756	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	12.587	83	94626	48.088	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	61014m	40.587	ug/l	
77) Bromobenzene	12.611	156	107374	49.991	ug/l	82
78) n-propylbenzene	12.672	91	540936	51.207	ug/l	94
79) 2-Chlorotoluene	12.758	91	262628	44.172	ug/l	91
80) 1,3,5-Trimethylbenzene	12.813	105	324930	44.449	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	21011	32.425	ug/l #	81
82) 4-Chlorotoluene	12.855	91	264063	42.859	ug/l	90
83) tert-Butylbenzene	13.075	119	303700	47.857	ug/l	90
84) 1,2,4-Trimethylbenzene	13.123	105	314447	43.352	ug/l	95
85) sec-Butylbenzene	13.258	105	500477	52.257	ug/l	90
86) p-Isopropyltoluene	13.373	119	326491	40.706	ug/l	95
87) 1,3-Dichlorobenzene	13.367	146	187359	43.570	ug/l	93
88) 1,4-Dichlorobenzene	13.447	146	186664	43.821	ug/l	93
89) n-Butylbenzene	13.697	91	306270	42.072	ug/l	96
90) Hexachloroethane	13.965	117	81952	56.833	ug/l	73
91) 1,2-Dichlorobenzene	13.739	146	168931	44.181	ug/l	88
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12192	41.228	ug/l #	50
93) 1,2,4-Trichlorobenzene	15.007	180	91703	43.086	ug/l #	45
94) Hexachlorobutadiene	15.117	225	35671	34.350	ug/l	98
95) Naphthalene	15.239	128	212081	43.955	ug/l	96
96) 1,2,3-Trichlorobenzene	15.428	180	81563	43.783	ug/l #	36

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

