

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032622\
 Data File : VY008041.D
 Acq On : 26 Mar 2022 13:17
 Operator : SY/MD
 Sample : N1645-01 2.5ppb
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022

Quant Time: Mar 28 09:50:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 28 09:49:08 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	153084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	261497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	230262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	85636	55.757	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.520%			
35) Dibromofluoromethane	7.716	113	88640	54.065	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.120%			
50) Toluene-d8	10.179	98	343161	55.556	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.120%			
62) 4-Bromofluorobenzene	12.483	95	115325	52.920	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	3519	2.550	ug/l	86
3) Chloromethane	2.113	50	4689	2.790	ug/l	91
4) Vinyl Chloride	2.253	62	6282	2.810	ug/l	100
5) Bromomethane	2.656	94	5785	3.157	ug/l	89
6) Chloroethane	2.796	64	3966	2.697	ug/l #	87
7) Trichlorofluoromethane	3.125	101	7515	2.657	ug/l	98
8) Diethyl Ether	3.540	74	2609	2.848	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	4943	2.817	ug/l	90
10) Methyl Iodide	4.094	142	3466	1.912	ug/l	90
11) Tert butyl alcohol	4.954	59	2025	12.708	ug/l #	88
12) 1,1-Dichloroethene	3.875	96	4574	2.816	ug/l #	80
13) Acrolein	3.729	56	1757	13.546	ug/l	97
14) Allyl chloride	4.485	41	5926	2.773	ug/l #	89
15) Acrylonitrile	5.161	53	5861	13.434	ug/l	92
16) Acetone	3.942	43	4691	13.362	ug/l	96
17) Carbon Disulfide	4.192	76	11862	2.577	ug/l	99
18) Methyl Acetate	4.472	43	4519	3.826	ug/l #	83
19) Methyl tert-butyl Ether	5.222	73	12142	2.631	ug/l	93
20) Methylene Chloride	4.722	84	15313	7.431	ug/l #	75
21) trans-1,2-Dichloroethene	5.216	96	5085	2.704	ug/l	85
22) Diisopropyl ether	6.119	45	13172	2.865	ug/l #	90
23) Vinyl Acetate	6.064	43	32633	11.455	ug/l #	89
24) 1,1-Dichloroethane	6.021	63	8132	2.672	ug/l	96
25) 2-Butanone	6.984	43	6573	12.304	ug/l #	75
26) 2,2-Dichloropropane	6.978	77	7790	2.703	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	6072	2.785	ug/l	80
28) Bromochloromethane	7.326	49	3198	3.240	ug/l #	67
29) Tetrahydrofuran	7.344	42	4713	13.569	ug/l #	79
30) Chloroform	7.508	83	9046	2.745	ug/l	91
31) Cyclohexane	7.783	56	10314	3.593	ug/l #	54
32) 1,1,1-Trichloroethane	7.704	97	8348	2.741	ug/l	97
36) 1,1-Dichloropropene	7.917	75	7235	2.809	ug/l	95
37) Ethyl Acetate	7.076	43	3382	2.811	ug/l	99
38) Carbon Tetrachloride	7.899	117	7374	2.627	ug/l	95
39) Methylcyclohexane	9.185	83	8961	2.578	ug/l	86
40) Benzene	8.161	78	20260	2.750	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	1517	2.511	ug/l #	48
42) 1,2-Dichloroethane	8.240	62	5620	2.720	ug/l	92
43) Isopropyl Acetate	8.277	43	6098	2.582	ug/l #	85
44) Trichloroethene	8.941	130	5566	2.613	ug/l	87
45) 1,2-Dichloropropane	9.216	63	4925	2.837	ug/l	96
46) Dibromomethane	9.301	93	3084	2.702	ug/l	91
47) Bromodichloromethane	9.502	83	6951	2.663	ug/l	89
48) Methyl methacrylate	9.289	41	2843	2.718	ug/l #	86
49) 1,4-Dioxane	9.295	88	655	43.161	ug/l #	94
51) 4-Methyl-2-Pentanone	10.069	43	14722	12.359	ug/l #	86
52) Toluene	10.240	92	13677	2.831	ug/l	91
53) t-1,3-Dichloropropene	10.465	75	6581	2.459	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	7707	2.544	ug/l #	78
55) 1,1,2-Trichloroethane	10.648	97	4366	2.770	ug/l #	81
56) Ethyl methacrylate	10.514	69	4977	2.420	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	7135	2.766	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.782	63	11290	13.252	ug/l	90
59) 2-Hexanone	10.831	43	9722	11.664	ug/l	82
60) Dibromochloromethane	10.983	129	4782	2.494	ug/l	99
61) 1,2-Dibromoethane	11.087	107	3887	2.476	ug/l	98
64) Tetrachloroethene	10.715	164	5090	2.878	ug/l	95
65) Chlorobenzene	11.514	112	14342	2.762	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	4910	2.564	ug/l	93
67) Ethyl Benzene	11.593	91	24661	2.710	ug/l	97
68) m/p-Xylenes	11.703	106	19105	5.280	ug/l	94
69) o-Xylene	12.026	106	9224	2.662	ug/l	93
70) Styrene	12.044	104	14386	2.537	ug/l	96
71) Bromoform	12.209	173	2409	2.083	ug/l #	99
73) Isopropylbenzene	12.331	105	24263	2.753	ug/l	100
74) N-amyl acetate	12.142	43	4924	2.542	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.587	83	4560	2.662	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	3696m	2.840	ug/l	
77) Bromobenzene	12.605	156	5217	2.581	ug/l	99
78) n-propylbenzene	12.672	91	29182	2.808	ug/l	100
79) 2-Chlorotoluene	12.758	91	16047	2.783	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	19429	2.691	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	1297m	2.224	ug/l	
82) 4-Chlorotoluene	12.855	91	16919	2.860	ug/l	98
83) tert-Butylbenzene	13.075	119	17392	2.704	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	19273	2.741	ug/l	98
85) sec-Butylbenzene	13.257	105	26473	2.789	ug/l	100
86) p-Isopropyltoluene	13.367	119	21860	2.767	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	10454	2.608	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	10915	2.731	ug/l	90
89) n-Butylbenzene	13.696	91	19586	2.694	ug/l	98
90) Hexachloroethane	13.965	117	4006	2.617	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	9437	2.674	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	670	2.451	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	5272	2.494	ug/l	97
94) Hexachlorobutadiene	15.111	225	3009	2.691	ug/l	98
95) Naphthalene	15.239	128	11213	2.400	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	4506	2.464	ug/l	98

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

