

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032622\
 Data File : VY008040.D
 Acq On : 26 Mar 2022 12:55
 Operator : SY/MD
 Sample : N1645-01 4.0ppb
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Mar 28 09:50:14 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	170551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	289705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	257178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	90648	52.975	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.960%			
35) Dibromofluoromethane	7.716	113	93338	51.387	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.780%			
50) Toluene-d8	10.179	98	360244	52.643	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.280%			
62) 4-Bromofluorobenzene	12.483	95	121248	50.221	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	5277	3.432	ug/l	97
3) Chloromethane	2.113	50	7457	3.983	ug/l	94
4) Vinyl Chloride	2.247	62	9983	4.008	ug/l	90
5) Bromomethane	2.650	94	8966	4.392	ug/l	94
6) Chloroethane	2.796	64	6413	3.914	ug/l	89
7) Trichlorofluoromethane	3.125	101	12629	4.008	ug/l	99
8) Diethyl Ether	3.528	74	4150	4.067	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.899	101	7690	3.934	ug/l	93
10) Methyl Iodide	4.095	142	5904	2.924	ug/l	94
11) Tert butyl alcohol	4.954	59	3679	20.723	ug/l	99
12) 1,1-Dichloroethene	3.869	96	7347	4.060	ug/l #	74
13) Acrolein	3.729	56	3112	21.536	ug/l	90
14) Allyl chloride	4.485	41	9636	4.047	ug/l #	93
15) Acrylonitrile	5.167	53	9755	20.069	ug/l	95
16) Acetone	3.948	43	8101	20.712	ug/l #	80
17) Carbon Disulfide	4.192	76	19260	3.756	ug/l	97
18) Methyl Acetate	4.479	43	7918	6.018	ug/l #	87
19) Methyl tert-butyl Ether	5.222	73	20924	4.069	ug/l	93
20) Methylene Chloride	4.716	84	16946	7.381	ug/l #	75
21) trans-1,2-Dichloroethene	5.216	96	8544	4.078	ug/l #	77
22) Diisopropyl ether	6.125	45	20722	4.046	ug/l #	86
23) Vinyl Acetate	6.064	43	54816	17.271	ug/l #	87
24) 1,1-Dichloroethane	6.015	63	13855	4.086	ug/l	97
25) 2-Butanone	6.984	43	12361	20.768	ug/l #	78
26) 2,2-Dichloropropane	6.984	77	12816	3.991	ug/l	92
27) cis-1,2-Dichloroethene	6.990	96	9359	3.854	ug/l	84
28) Bromochloromethane	7.338	49	5245	4.769	ug/l #	69
29) Tetrahydrofuran	7.344	42	7748	20.023	ug/l #	73
30) Chloroform	7.509	83	14671	3.996	ug/l	93
31) Cyclohexane	7.783	56	15349	4.799	ug/l #	61
32) 1,1,1-Trichloroethane	7.704	97	13177	3.884	ug/l	92
36) 1,1-Dichloropropene	7.917	75	11728	4.111	ug/l	98
37) Ethyl Acetate	7.076	43	5122	3.843	ug/l #	89
38) Carbon Tetrachloride	7.905	117	12103	3.892	ug/l	97
39) Methylcyclohexane	9.185	83	15256	3.961	ug/l #	84
40) Benzene	8.161	78	32608	3.995	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	3201m	4.783	ug/l	
42) 1,2-Dichloroethane	8.234	62	9409	4.110	ug/l	89
43) Isopropyl Acetate	8.271	43	10188	3.894	ug/l #	85
44) Trichloroethene	8.941	130	9186	3.892	ug/l	100
45) 1,2-Dichloropropane	9.216	63	7963	4.140	ug/l	97
46) Dibromomethane	9.301	93	4889	3.866	ug/l	95
47) Bromodichloromethane	9.496	83	11194	3.871	ug/l	100
48) Methyl methacrylate	9.295	41	4656	4.018	ug/l #	83
49) 1,4-Dioxane	9.289	88	1218	72.445	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	25892	19.620	ug/l #	83
52) Toluene	10.246	92	21452	4.008	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	10895	3.675	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	12907	3.846	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	6907	3.955	ug/l	99
56) Ethyl methacrylate	10.508	69	8397	3.686	ug/l #	77
57) 1,3-Dichloropropane	10.795	76	11385	3.983	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	21233	22.496	ug/l	91
59) 2-Hexanone	10.831	43	18112	19.614	ug/l	82
60) Dibromochloromethane	10.984	129	7939	3.738	ug/l	96
61) 1,2-Dibromoethane	11.087	107	6633	3.814	ug/l	96
64) Tetrachloroethene	10.721	164	7928	4.014	ug/l	94
65) Chlorobenzene	11.514	112	23240	4.008	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	8015	3.747	ug/l	96
67) Ethyl Benzene	11.593	91	41591	4.092	ug/l	99
68) m/p-Xylenes	11.703	106	31803	7.869	ug/l	92
69) o-Xylene	12.032	106	14779	3.819	ug/l	97
70) Styrene	12.044	104	23627	3.730	ug/l	97
71) Bromoform	12.209	173	4483	3.471	ug/l #	97
73) Isopropylbenzene	12.331	105	39814	4.141	ug/l	99
74) N-amyl acetate	12.142	43	8827	4.176	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.587	83	7773	4.159	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	6079m	4.281	ug/l	
77) Bromobenzene	12.611	156	8560	3.881	ug/l	98
78) n-propylbenzene	12.672	91	48330	4.262	ug/l	99
79) 2-Chlorotoluene	12.758	91	27056	4.301	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	32034	4.067	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	2428	3.815	ug/l #	85
82) 4-Chlorotoluene	12.855	91	27457	4.253	ug/l	98
83) tert-Butylbenzene	13.075	119	28630	4.080	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	31864	4.154	ug/l	99
85) sec-Butylbenzene	13.251	105	43439	4.194	ug/l	100
86) p-Isopropyltoluene	13.373	119	34706	4.026	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	17452	3.991	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	17824	4.087	ug/l	93
89) n-Butylbenzene	13.696	91	32547	4.104	ug/l	98
90) Hexachloroethane	13.959	117	6774	4.056	ug/l	77
91) 1,2-Dichlorobenzene	13.739	146	15344	3.985	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1158	3.882	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	8924	3.870	ug/l	97
94) Hexachlorobutadiene	15.117	225	4849	3.975	ug/l	97
95) Naphthalene	15.239	128	19523	3.830	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	7534	3.776	ug/l	97

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

