

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032422\
 Data File : VD072404.D
 Acq On : 24 Mar 2022 13:32
 Operator : VA/SY
 Sample : N1645-01 4.0ppb
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/25/2022

Quant Time: Mar 25 03:57:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 03:45:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	342052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	576957	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	534411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	268011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	210833	55.308	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.620%
35) Dibromofluoromethane	7.908	113	202442	49.861	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.720%
50) Toluene-d8	10.338	98	696970	46.947	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.900%
62) 4-Bromofluorobenzene	12.626	95	269546	46.728	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	11526	3.643	ug/l	91
3) Chloromethane	2.209	50	10987	3.908	ug/l	96
4) Vinyl Chloride	2.350	62	10978	4.045	ug/l	96
5) Bromomethane	2.773	94	8635	4.887	ug/l #	76
6) Chloroethane	2.920	64	7855	4.378	ug/l	93
7) Trichlorofluoromethane	3.268	101	22860	3.730	ug/l	94
8) Diethyl Ether	3.709	74	8025	4.741	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.103	101	15720	4.023	ug/l	97
10) Methyl Iodide	4.303	142	10695	3.423	ug/l #	96
11) Tert butyl alcohol	5.232	59	6033m	27.296	ug/l	
12) 1,1-Dichloroethene	4.073	96	12677	4.033	ug/l #	71
13) Acrolein	3.920	56	4516	22.898	ug/l #	81
14) Allyl chloride	4.714	41	22475	4.089	ug/l	95
15) Acrylonitrile	5.420	53	20383	23.867	ug/l	99
16) Acetone	4.156	43	22460	27.137	ug/l	90
17) Carbon Disulfide	4.409	76	16373	2.554	ug/l	99
18) Methyl Acetate	4.720	43	12196	6.013	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	36977	4.328	ug/l	95
20) Methylene Chloride	4.962	84	39238	7.888	ug/l	86
21) trans-1,2-Dichloroethene	5.473	96	12539	3.606	ug/l	95
22) Diisopropyl ether	6.361	45	54145	4.319	ug/l	95
23) Vinyl Acetate	6.303	43	127976m	20.002	ug/l	
24) 1,1-Dichloroethane	6.267	63	31503	4.261	ug/l	98
25) 2-Butanone	7.208	43	27904	25.286	ug/l	92
26) 2,2-Dichloropropane	7.203	77	26098	3.912	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	18613	4.193	ug/l	94
28) Bromochloromethane	7.544	49	9355	3.143	ug/l	86
29) Tetrahydrofuran	7.561	42	14964	23.061	ug/l	97
30) Chloroform	7.714	83	34797	4.418	ug/l	93
31) Cyclohexane	7.985	56	25042	4.205	ug/l #	59
32) 1,1,1-Trichloroethane	7.903	97	28882	4.128	ug/l	98
36) 1,1-Dichloropropene	8.114	75	19911	3.496	ug/l	98
37) Ethyl Acetate	7.285	43	10374	4.158	ug/l #	90
38) Carbon Tetrachloride	8.091	117	23658	3.654	ug/l	97
39) Methylcyclohexane	9.350	83	18808	2.934	ug/l	90
40) Benzene	8.350	78	63507	3.908	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	7993	5.496	ug/l #	27
42) 1,2-Dichloroethane	8.420	62	21604	4.383	ug/l	98
43) Isopropyl Acetate	8.444	43	22010	4.545	ug/l	93
44) Trichloroethene	9.108	130	17061	3.740	ug/l	87
45) 1,2-Dichloropropane	9.385	63	19040	4.272	ug/l	96
46) Dibromomethane	9.473	93	9270	4.229	ug/l	97
47) Bromodichloromethane	9.661	83	27531	4.308	ug/l	97
48) Methyl methacrylate	9.450	41	10412	4.503	ug/l	95
49) 1,4-Dioxane	9.455	88	2448	93.124	ug/l #	73
51) 4-Methyl-2-Pentanone	10.220	43	57105	22.452	ug/l	97
52) Toluene	10.397	92	41112	3.845	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	22320	3.823	ug/l	91
54) cis-1,3-Dichloropropene	10.085	75	26775	3.967	ug/l	94
55) 1,1,2-Trichloroethane	10.791	97	16898	5.060	ug/l	89
56) Ethyl methacrylate	10.655	69	16432	4.201	ug/l	96
57) 1,3-Dichloropropane	10.938	76	25063	4.472	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.938	63	23358	13.282	ug/l #	88
59) 2-Hexanone	10.979	43	41120	23.407	ug/l	94
60) Dibromochloromethane	11.132	129	18672	4.309	ug/l	98
61) 1,2-Dibromoethane	11.238	107	12918	4.281	ug/l	97
64) Tetrachloroethene	10.867	164	14379	3.819	ug/l	95
65) Chlorobenzene	11.661	112	47766	4.032	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	19503	4.163	ug/l	99
67) Ethyl Benzene	11.738	91	76481	3.614	ug/l	97
68) m/p-Xylenes	11.844	106	55605	6.920	ug/l	98
69) o-Xylene	12.173	106	28441	3.701	ug/l	92
70) Styrene	12.191	104	48748	3.632	ug/l	95
71) Bromoform	12.349	173	10495	4.194	ug/l #	96
73) Isopropylbenzene	12.473	105	77104	3.630	ug/l	99
74) N-amyl acetate	12.279	43	21629	4.739	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	19133	5.037	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	11948m	4.041	ug/l	
77) Bromobenzene	12.755	156	19847	4.152	ug/l	97
78) n-propylbenzene	12.814	91	97246	3.770	ug/l	100
79) 2-Chlorotoluene	12.896	91	57864	3.879	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	68427	3.750	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	4735	3.974	ug/l	94
82) 4-Chlorotoluene	12.996	91	61943	4.010	ug/l	99
83) tert-Butylbenzene	13.214	119	57554	3.598	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	67327	3.745	ug/l	99
85) sec-Butylbenzene	13.390	105	86202	3.588	ug/l	98
86) p-Isopropyltoluene	13.508	119	70100	3.546	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	40438	4.036	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	43529	4.382	ug/l	96
89) n-Butylbenzene	13.832	91	68119	3.615	ug/l	99
90) Hexachloroethane	14.102	117	15215	3.927	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	35770	4.095	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.490	75	3090	5.097	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	22281	3.853	ug/l	99
94) Hexachlorobutadiene	15.249	225	13790	4.099	ug/l	95
95) Naphthalene	15.385	128	37976	3.810	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.579	180	19757	3.947	ug/l	98

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

