

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101922\
 Data File : VD074586.D
 Acq On : 19 Oct 2022 18:34
 Operator : VA/SY
 Sample : N4955-02 5.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Quant Time: Oct 20 06:58:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:54:18 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/20/2022

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	89109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	138636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	125025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	58817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	33753	49.613	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.220%		
35) Dibromofluoromethane	7.805	113	41492	48.867	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.740%		
50) Toluene-d8	10.269	98	139356	50.221	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.440%		
62) 4-Bromofluorobenzene	12.569	95	42416	46.210	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	4210	6.087	ug/l	96
3) Chloromethane	2.146	50	6265	6.691	ug/l	99
4) Vinyl Chloride	2.281	62	6237	6.024	ug/l	89
5) Bromomethane	2.693	94	5271	6.722	ug/l	93
6) Chloroethane	2.834	64	4144	5.821	ug/l	95
7) Trichlorofluoromethane	3.170	101	8107	5.524	ug/l	100
8) Diethyl Ether	3.593	74	2332	5.487	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.964	101	5258	5.555	ug/l	97
10) Methyl Iodide	4.170	142	4905	4.548	ug/l #	94
11) Tert butyl alcohol	5.017	59	8081	70.554	ug/l #	84
12) 1,1-Dichloroethene	3.940	96	5542	5.854	ug/l	98
13) Acrolein	3.787	56	1716	23.551	ug/l	99
14) Allyl chloride	4.564	41	5743	5.618	ug/l	94
15) Acrylonitrile	5.252	53	4622	26.607	ug/l #	83
16) Acetone	4.022	43	3631	24.441	ug/l	96
17) Carbon Disulfide	4.269	76	16581	6.401	ug/l #	94
18) Methyl Acetate	4.564	43	3483	7.752	ug/l	99
19) Methyl tert-butyl Ether	5.311	73	9891	5.347	ug/l	98
20) Methylene Chloride	4.793	84	14668	9.332	ug/l	96
21) trans-1,2-Dichloroethene	5.305	96	5948	5.636	ug/l #	75
22) Diisopropyl ether	6.222	45	11044	5.353	ug/l #	89
23) Vinyl Acetate	6.158	43	16857m	18.686	ug/l	
24) 1,1-Dichloroethane	6.122	63	9194	5.742	ug/l	97
25) 2-Butanone	7.081	43	5543	27.902	ug/l	93
26) 2,2-Dichloropropane	7.069	77	8489	5.547	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	6366	5.439	ug/l	96
28) Bromochloromethane	7.422	49	2367	6.075	ug/l #	94
29) Tetrahydrofuran	7.440	42	2900	26.765	ug/l	98
30) Chloroform	7.593	83	9335	5.418	ug/l	84
31) Cyclohexane	7.875	56	8468	6.196	ug/l #	83
32) 1,1,1-Trichloroethane	7.793	97	8999	5.696	ug/l	95
36) 1,1-Dichloropropene	8.005	75	7290	5.853	ug/l	97
37) Ethyl Acetate	7.169	43	2041	5.194	ug/l #	66
38) Carbon Tetrachloride	7.999	117	6400	5.248	ug/l	98
39) Methylcyclohexane	9.269	83	8158	5.482	ug/l	92
40) Benzene	8.252	78	22235	6.016	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	1283	6.060	ug/l #	32
42) 1,2-Dichloroethane	8.328	62	5258	6.164	ug/l	86
43) Isopropyl Acetate	8.358	43	4150	5.683	ug/l #	54
44) Trichloroethene	9.028	130	5679	5.245	ug/l	97
45) 1,2-Dichloropropane	9.305	63	4137	5.100	ug/l #	75
46) Dibromomethane	9.393	93	2622	5.602	ug/l	88
47) Bromodichloromethane	9.581	83	5918	5.110	ug/l #	94
48) Methyl methacrylate	9.381	41	1905	5.708	ug/l	86
49) 1,4-Dioxane	9.381	88	371	80.533	ug/l #	50
51) 4-Methyl-2-Pentanone	10.157	43	9112	25.086	ug/l	96
52) Toluene	10.334	92	13201	5.791	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	5038	4.948	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	6428	5.007	ug/l #	93
55) 1,1,2-Trichloroethane	10.728	97	3629	5.643	ug/l	90
56) Ethyl methacrylate	10.593	69	3553	5.054	ug/l	91
57) 1,3-Dichloropropane	10.881	76	5504	5.276	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.863	63	2367	15.190	ug/l	99
59) 2-Hexanone	10.922	43	6115	24.665	ug/l	94
60) Dibromochloromethane	11.075	129	4024	5.191	ug/l	97
61) 1,2-Dibromoethane	11.181	107	3306	5.631	ug/l	94
64) Tetrachloroethene	10.804	164	5566	6.023	ug/l	92
65) Chlorobenzene	11.604	112	13889	5.274	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	4805	5.311	ug/l	98
67) Ethyl Benzene	11.681	91	23428	5.109	ug/l	97
68) m/p-Xylenes	11.793	106	18271	10.021	ug/l	99
69) o-Xylene	12.116	106	8365	4.929	ug/l	95
70) Styrene	12.134	104	14494	5.072	ug/l	97
71) Bromoform	12.299	173	2453	5.164	ug/l #	99
73) Isopropylbenzene	12.416	105	22600	4.927	ug/l	97
74) N-amyl acetate	12.234	43	3239	4.777	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	3736	5.145	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	3420m	6.659	ug/l	
77) Bromobenzene	12.698	156	5352	5.170	ug/l	93
78) n-propylbenzene	12.757	91	28177	5.198	ug/l	100
79) 2-Chlorotoluene	12.846	91	15357	5.229	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	18299	4.914	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	742	3.692	ug/l #	91
82) 4-Chlorotoluene	12.946	91	15410	5.107	ug/l	99
83) tert-Butylbenzene	13.163	119	16220	4.883	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	18368	5.013	ug/l	100
85) sec-Butylbenzene	13.345	105	24677	4.950	ug/l	97
86) p-Isopropyltoluene	13.457	119	19972	4.783	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	10929	5.080	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	11486	5.454	ug/l	94
89) n-Butylbenzene	13.781	91	18579	4.883	ug/l	98
90) Hexachloroethane	14.051	117	3783	5.205	ug/l	88
91) 1,2-Dichlorobenzene	13.828	146	9880	5.505	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	489	4.869	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	6372	5.382	ug/l	94
94) Hexachlorobutadiene	15.204	225	3496	5.368	ug/l	95
95) Naphthalene	15.328	128	11073	4.969	ug/l	95
96) 1,2,3-Trichlorobenzene	15.522	180	5188	5.112	ug/l	93

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

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