

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082322\
 Data File : VD074193.D
 Acq On : 23 Aug 2022 19:14
 Operator : VA/SY
 Sample : N3980-02 5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

Quant Time: Aug 24 06:10:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 24 06:08:51 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/24/2022
 Supervised By :Mahesh Dadoda 08/24/2022

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	148021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	244726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	235589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	117224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	72380	47.853	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.700%		
35) Dibromofluoromethane	7.903	113	80761	49.337	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.680%		
50) Toluene-d8	10.326	98	243103	46.144	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.280%		
62) 4-Bromofluorobenzene	12.620	95	101352	48.697	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	14526	11.694	ug/l	98
3) Chloromethane	2.209	50	5016	5.668	ug/l	94
4) Vinyl Chloride	2.338	62	4720	5.080	ug/l #	86
5) Bromomethane	2.762	94	3619	6.032	ug/l	88
6) Chloroethane	2.909	64	3095	5.133	ug/l #	84
7) Trichlorofluoromethane	3.268	101	15154	5.615	ug/l	96
8) Diethyl Ether	3.703	74	3422	4.718	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.085	101	9278	5.681	ug/l	93
10) Methyl Iodide	4.291	142	7956	4.441	ug/l	99
11) Tert butyl alcohol	5.232	59	2419	25.682	ug/l #	74
12) 1,1-Dichloroethene	4.062	96	7819	5.354	ug/l	85
13) Acrolein	3.921	56	1302	29.446	ug/l #	69
14) Allyl chloride	4.703	41	11912	5.210	ug/l #	92
15) Acrylonitrile	5.420	53	9686	28.722	ug/l	97
16) Acetone	4.162	43	8651	30.021	ug/l	98
17) Carbon Disulfide	4.403	76	19041	4.453	ug/l	98
18) Methyl Acetate	4.726	43	7597	8.363	ug/l #	87
19) Methyl tert-butyl Ether	5.479	73	18309	5.235	ug/l	92
20) Methylene Chloride	4.962	84	29607	13.117	ug/l #	80
21) trans-1,2-Dichloroethene	5.462	96	8419	4.930	ug/l	94
22) Diisopropyl ether	6.362	45	23053	4.916	ug/l #	93
23) Vinyl Acetate	6.297	43	50031m	20.874	ug/l	
24) 1,1-Dichloroethane	6.256	63	16257	5.259	ug/l #	88
25) 2-Butanone	7.214	43	14407	32.295	ug/l	99
26) 2,2-Dichloropropane	7.197	77	15942	5.723	ug/l	99
27) cis-1,2-Dichloroethene	7.197	96	10594	5.520	ug/l	98
28) Bromochloromethane	7.544	49	5579	5.970	ug/l #	71
29) Tetrahydrofuran	7.562	42	7130	26.484	ug/l	89
30) Chloroform	7.703	83	18055	5.539	ug/l	100
31) Cyclohexane	7.973	56	14451	5.368	ug/l #	41
32) 1,1,1-Trichloroethane	7.897	97	16107	5.333	ug/l	99
36) 1,1-Dichloropropene	8.109	75	12689	5.129	ug/l	97
37) Ethyl Acetate	7.291	43	5705	5.848	ug/l	99
38) Carbon Tetrachloride	8.085	117	12834	4.829	ug/l	92
39) Methylcyclohexane	9.350	83	13295	4.709	ug/l #	85
40) Benzene	8.344	78	36291	5.204	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	2726	4.649	ug/l #	90
42) 1,2-Dichloroethane	8.409	62	11161	5.429	ug/l	100
43) Isopropyl Acetate	8.444	43	10224	5.210	ug/l #	88
44) Trichloroethene	9.097	130	10588	5.237	ug/l	79
45) 1,2-Dichloropropane	9.373	63	9254	5.316	ug/l	98
46) Dibromomethane	9.461	93	5582	5.747	ug/l	97
47) Bromodichloromethane	9.650	83	13379	5.296	ug/l #	96
48) Methyl methacrylate	9.450	41	4758	5.245	ug/l	88
49) 1,4-Dioxane	9.450	88	1067	96.818	ug/l #	81
51) 4-Methyl-2-Pentanone	10.220	43	24972	25.474	ug/l	94
52) Toluene	10.391	92	23745	5.179	ug/l	94
53) t-1,3-Dichloropropene	10.603	75	10997	4.800	ug/l	94
54) cis-1,3-Dichloropropene	10.079	75	13324	4.905	ug/l	92
55) 1,1,2-Trichloroethane	10.785	97	7602	5.723	ug/l	92
56) Ethyl methacrylate	10.650	69	7601	5.009	ug/l #	83
57) 1,3-Dichloropropane	10.932	76	11593	5.223	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.932	63	11851	25.801	ug/l	98
59) 2-Hexanone	10.973	43	17227	26.064	ug/l	97
60) Dibromochloromethane	11.126	129	9427	5.465	ug/l	98
61) 1,2-Dibromoethane	11.232	107	6593	5.088	ug/l	96
64) Tetrachloroethene	10.867	164	9527	5.542	ug/l	95
65) Chlorobenzene	11.655	112	26236	5.110	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	10036	5.199	ug/l	95
67) Ethyl Benzene	11.732	91	41341	4.705	ug/l	98
68) m/p-Xylenes	11.844	106	31502	9.001	ug/l	96
69) o-Xylene	12.167	106	14165	4.386	ug/l	98
70) Styrene	12.179	104	24588	4.441	ug/l	99
71) Bromoform	12.350	173	5148	4.904	ug/l #	98
73) Isopropylbenzene	12.467	105	38200	4.501	ug/l	97
74) N-amyl acetate	12.273	43	8439	4.571	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	8172	5.391	ug/l	99
76) 1,2,3-Trichloropropane	12.761	75	6431m	5.619	ug/l	
77) Bromobenzene	12.749	156	10036	4.991	ug/l	98
78) n-propylbenzene	12.808	91	48448	4.667	ug/l	97
79) 2-Chlorotoluene	12.891	91	28580	4.768	ug/l	93
80) 1,3,5-Trimethylbenzene	12.944	105	33873	4.645	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.508	75	2178	4.893	ug/l #	81
82) 4-Chlorotoluene	12.991	91	29866	4.710	ug/l	94
83) tert-Butylbenzene	13.208	119	28038	4.565	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	31362	4.419	ug/l	94
85) sec-Butylbenzene	13.385	105	42460	4.573	ug/l	98
86) p-Isopropyltoluene	13.502	119	34732	4.534	ug/l	99
87) 1,3-Dichlorobenzene	13.496	146	19828	4.874	ug/l	94
88) 1,4-Dichlorobenzene	13.579	146	20556	5.016	ug/l	92
89) n-Butylbenzene	13.826	91	33352	4.593	ug/l	96
90) Hexachloroethane	14.091	117	7565	4.867	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	17629	4.984	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.485	75	1303	5.250	ug/l	88
93) 1,2,4-Trichlorobenzene	15.138	180	10558	4.891	ug/l	95
94) Hexachlorobutadiene	15.243	225	5757	4.752	ug/l	91
95) Naphthalene	15.373	128	17604	4.507	ug/l	95
96) 1,2,3-Trichlorobenzene	15.567	180	9040	4.802	ug/l	100

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

