

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082322\
 Data File : VD074192.D
 Acq On : 23 Aug 2022 18:45
 Operator : VA/SY
 Sample : N3980-03 4PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Quant Time: Aug 24 06:09:55 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	151835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	248859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	238135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	118676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	72179	46.521	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.040%		
35) Dibromofluoromethane	7.909	113	80579	48.408	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.820%		
50) Toluene-d8	10.332	98	236283	44.105	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.200%		
62) 4-Bromofluorobenzene	12.614	95	101573	47.993	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	9269	7.275	ug/l	94
3) Chloromethane	2.209	50	4134	4.554	ug/l	88
4) Vinyl Chloride	2.344	62	3837	4.026	ug/l	90
5) Bromomethane	2.768	94	3115	5.061	ug/l	92
6) Chloroethane	2.921	64	2921	4.723	ug/l #	83
7) Trichlorofluoromethane	3.262	101	12570	4.540	ug/l	91
8) Diethyl Ether	3.703	74	3122	4.196	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.085	101	7804	4.659	ug/l	96
10) Methyl Iodide	4.285	142	6732	3.664	ug/l #	89
11) Tert butyl alcohol	5.226	59	2738	28.339	ug/l #	79
12) 1,1-Dichloroethene	4.056	96	5865	3.915	ug/l	79
13) Acrolein	3.932	56	1060	23.371	ug/l	91
14) Allyl chloride	4.703	41	10471	4.464	ug/l	92
15) Acrylonitrile	5.421	53	7941	22.956	ug/l	96
16) Acetone	4.156	43	7238	24.486	ug/l #	89
17) Carbon Disulfide	4.397	76	15829	3.609	ug/l #	91
18) Methyl Acetate	4.715	43	6027	6.468	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	14658	4.086	ug/l #	90
20) Methylene Chloride	4.956	84	27174	11.737	ug/l	85
21) trans-1,2-Dichloroethene	5.462	96	7482	4.271	ug/l	80
22) Diisopropyl ether	6.356	45	18674	3.882	ug/l #	87
23) Vinyl Acetate	6.297	43	40272m	16.380	ug/l	
24) 1,1-Dichloroethane	6.256	63	13962	4.403	ug/l	97
25) 2-Butanone	7.209	43	12533	27.388	ug/l	97
26) 2,2-Dichloropropane	7.203	77	14632	5.121	ug/l	91
27) cis-1,2-Dichloroethene	7.203	96	8344	4.239	ug/l	97
28) Bromochloromethane	7.550	49	4653	4.854	ug/l #	81
29) Tetrahydrofuran	7.562	42	5697	20.629	ug/l #	62
30) Chloroform	7.709	83	15020	4.492	ug/l	88
31) Cyclohexane	7.979	56	13191	4.777	ug/l #	84
32) 1,1,1-Trichloroethane	7.891	97	12991	4.193	ug/l	98
36) 1,1-Dichloropropene	8.103	75	10494	4.171	ug/l	98
37) Ethyl Acetate	7.285	43	4818	4.857	ug/l #	92
38) Carbon Tetrachloride	8.091	117	10548	3.903	ug/l	93
39) Methylcyclohexane	9.350	83	10565	3.680	ug/l	85
40) Benzene	8.344	78	29042	4.095	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.515	41	2110	3.539	ug/l #	73
42) 1,2-Dichloroethane	8.420	62	8128	3.888	ug/l	92
43) Isopropyl Acetate	8.450	43	7658	3.838	ug/l #	87
44) Trichloroethene	9.097	130	8362	4.067	ug/l	81
45) 1,2-Dichloropropane	9.379	63	8048	4.546	ug/l	91
46) Dibromomethane	9.467	93	4234	4.287	ug/l #	89
47) Bromodichloromethane	9.650	83	10612	4.131	ug/l #	97
48) Methyl methacrylate	9.450	41	3455	3.745	ug/l #	86
49) 1,4-Dioxane	9.444	88	750	66.924	ug/l #	92
51) 4-Methyl-2-Pentanone	10.220	43	19176	19.236	ug/l	98
52) Toluene	10.391	92	19677	4.221	ug/l	91
53) t-1,3-Dichloropropene	10.614	75	9319	4.000	ug/l	95
54) cis-1,3-Dichloropropene	10.079	75	10566	3.825	ug/l	87
55) 1,1,2-Trichloroethane	10.785	97	6136	4.543	ug/l	94
56) Ethyl methacrylate	10.650	69	5490	3.558	ug/l #	88
57) 1,3-Dichloropropane	10.932	76	9256	4.101	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.932	63	8585	18.380	ug/l	94
59) 2-Hexanone	10.973	43	12892	19.181	ug/l	96
60) Dibromochloromethane	11.126	129	7114	4.055	ug/l	100
61) 1,2-Dibromoethane	11.232	107	5430	4.121	ug/l	99
64) Tetrachloroethene	10.867	164	7106	4.089	ug/l #	89
65) Chlorobenzene	11.655	112	21009	4.048	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	7808	4.002	ug/l	99
67) Ethyl Benzene	11.732	91	32625	3.673	ug/l	94
68) m/p-Xylenes	11.838	106	24425	6.904	ug/l	100
69) o-Xylene	12.167	106	11247	3.445	ug/l	98
70) Styrene	12.185	104	19404	3.467	ug/l	95
71) Bromoform	12.350	173	4473	4.215	ug/l #	100
73) Isopropylbenzene	12.461	105	30771	3.581	ug/l	99
74) N-amyl acetate	12.273	43	6290	3.365	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	6803	4.433	ug/l	96
76) 1,2,3-Trichloropropane	12.767	75	4262m	3.678	ug/l	
77) Bromobenzene	12.744	156	8276	4.065	ug/l	92
78) n-propylbenzene	12.802	91	40157	3.821	ug/l	98
79) 2-Chlorotoluene	12.891	91	23732	3.911	ug/l	95
80) 1,3,5-Trimethylbenzene	12.944	105	27598	3.738	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	1882	4.177	ug/l #	76
82) 4-Chlorotoluene	12.991	91	24026	3.743	ug/l	99
83) tert-Butylbenzene	13.208	119	20803	3.345	ug/l	99
84) 1,2,4-Trimethylbenzene	13.250	105	25856	3.599	ug/l	100
85) sec-Butylbenzene	13.385	105	32863	3.496	ug/l	95
86) p-Isopropyltoluene	13.502	119	26063	3.360	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	16500	4.007	ug/l	97
88) 1,4-Dichlorobenzene	13.579	146	17155	4.135	ug/l	93
89) n-Butylbenzene	13.820	91	26710	3.634	ug/l	98
90) Hexachloroethane	14.091	117	6001	3.814	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	13969	3.901	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.491	75	1231	4.900	ug/l	88
93) 1,2,4-Trichlorobenzene	15.132	180	8403	3.845	ug/l	98
94) Hexachlorobutadiene	15.244	225	4547	3.708	ug/l	88
95) Naphthalene	15.373	128	14934	3.776	ug/l	97
96) 1,2,3-Trichlorobenzene	15.567	180	7697	4.039	ug/l	90

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

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