

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082322\
 Data File : VD074191.D
 Acq On : 23 Aug 2022 18:16
 Operator : VA/SY
 Sample : N3980-03 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 24 06:09:12 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	7.973	168	148352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	256241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	240547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	117417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	74101	48.882	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.760%		
35) Dibromofluoromethane	7.903	113	80021	46.688	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.380%		
50) Toluene-d8	10.326	98	241400	43.762	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.520%		
62) 4-Bromofluorobenzene	12.620	95	101068	46.378	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	10683	8.581	ug/l	93
3) Chloromethane	2.203	50	2963	3.341	ug/l	94
4) Vinyl Chloride	2.344	62	3001	3.223	ug/l #	83
5) Bromomethane	2.762	94	2365	3.933	ug/l #	77
6) Chloroethane	2.909	64	2044	3.383	ug/l	93
7) Trichlorofluoromethane	3.256	101	8778	3.245	ug/l	88
8) Diethyl Ether	3.703	74	2185m	3.006	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.079	101	5424	3.314	ug/l #	85
10) Methyl Iodide	4.285	142	4185	2.331	ug/l #	94
11) Tert butyl alcohol	5.220	59	1964	20.805	ug/l #	74
12) 1,1-Dichloroethene	4.050	96	4512	3.082	ug/l #	61
13) Acrolein	3.909	56	608	13.720	ug/l #	61
14) Allyl chloride	4.709	41	6471	2.824	ug/l #	92
15) Acrylonitrile	5.420	53	4870	14.409	ug/l	98
16) Acetone	4.156	43	5355	18.541	ug/l	91
17) Carbon Disulfide	4.403	76	11338	2.646	ug/l #	92
18) Methyl Acetate	4.720	43	4212	4.626	ug/l #	86
19) Methyl tert-butyl Ether	5.473	73	9952	2.839	ug/l #	80
20) Methylene Chloride	4.956	84	24640	10.892	ug/l	86
21) trans-1,2-Dichloroethene	5.456	96	4895	2.860	ug/l #	63
22) Diisopropyl ether	6.361	45	12331	2.624	ug/l #	92
23) Vinyl Acetate	6.309	43	25468m	10.602	ug/l	
24) 1,1-Dichloroethane	6.261	63	9382	3.028	ug/l	96
25) 2-Butanone	7.208	43	9561	21.384	ug/l #	89
26) 2,2-Dichloropropane	7.197	77	10454	3.745	ug/l #	73
27) cis-1,2-Dichloroethene	7.203	96	5232	2.720	ug/l	81
28) Bromochloromethane	7.532	49	2799	2.989	ug/l #	76
29) Tetrahydrofuran	7.573	42	3936	14.587	ug/l	98
30) Chloroform	7.703	83	9270	2.838	ug/l	94
31) Cyclohexane	7.967	56	10212	3.785	ug/l #	58
32) 1,1,1-Trichloroethane	7.897	97	9093	3.004	ug/l	95
36) 1,1-Dichloropropene	8.097	75	7734	2.985	ug/l	96
37) Ethyl Acetate	7.285	43	2778	2.720	ug/l #	97
38) Carbon Tetrachloride	8.085	117	6760	2.429	ug/l #	91
39) Methylcyclohexane	9.344	83	7595	2.569	ug/l	91
40) Benzene	8.344	78	18440	2.525	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	1684	2.743	ug/l	94
42) 1,2-Dichloroethane	8.414	62	5752	2.672	ug/l	95
43) Isopropyl Acetate	8.450	43	5932	2.887	ug/l #	97
44) Trichloroethene	9.103	130	6412	3.029	ug/l	90
45) 1,2-Dichloropropane	9.379	63	4789	2.627	ug/l	97
46) Dibromomethane	9.461	93	2537	2.495	ug/l	92
47) Bromodichloromethane	9.655	83	7279	2.752	ug/l #	82
48) Methyl methacrylate	9.444	41	2780	2.927	ug/l	97
49) 1,4-Dioxane	9.450	88	516	44.717	ug/l #	76
51) 4-Methyl-2-Pentanone	10.214	43	13645	13.294	ug/l	93
52) Toluene	10.397	92	12869	2.681	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	6167	2.571	ug/l	93
54) cis-1,3-Dichloropropene	10.085	75	7092	2.494	ug/l	89
55) 1,1,2-Trichloroethane	10.791	97	4027	2.895	ug/l	94
56) Ethyl methacrylate	10.650	69	3883	2.444	ug/l #	90
57) 1,3-Dichloropropane	10.938	76	6423	2.764	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	5287	10.993	ug/l	94
59) 2-Hexanone	10.973	43	8926	12.898	ug/l	98
60) Dibromochloromethane	11.132	129	4847	2.684	ug/l	98
61) 1,2-Dibromoethane	11.232	107	3598	2.652	ug/l	89
64) Tetrachloroethene	10.867	164	5680	3.236	ug/l	90
65) Chlorobenzene	11.655	112	14194	2.707	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	5059	2.567	ug/l	97
67) Ethyl Benzene	11.732	91	23418	2.610	ug/l	93
68) m/p-Xylenes	11.838	106	17200	4.813	ug/l	93
69) o-Xylene	12.167	106	8025	2.434	ug/l	93
70) Styrene	12.179	104	12688	2.244	ug/l	98
71) Bromoform	12.349	173	2944	2.746	ug/l #	92
73) Isopropylbenzene	12.461	105	21392	2.516	ug/l	96
74) N-amyl acetate	12.273	43	4354	2.354	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.714	83	4298	2.831	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	2960m	2.582	ug/l	
77) Bromobenzene	12.749	156	5741	2.850	ug/l	88
78) n-propylbenzene	12.802	91	26974	2.594	ug/l	94
79) 2-Chlorotoluene	12.896	91	16686	2.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	19186	2.627	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	960m	2.153	ug/l	
82) 4-Chlorotoluene	12.991	91	16748	2.637	ug/l	96
83) tert-Butylbenzene	13.208	119	16434	2.671	ug/l	94
84) 1,2,4-Trimethylbenzene	13.249	105	17276	2.430	ug/l	95
85) sec-Butylbenzene	13.385	105	23052	2.479	ug/l	98
86) p-Isopropyltoluene	13.496	119	17919	2.335	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	11939	2.930	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	12023	2.929	ug/l	86
89) n-Butylbenzene	13.826	91	18693	2.570	ug/l	99
90) Hexachloroethane	14.090	117	4443	2.854	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	10098	2.850	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.479	75	739	2.973	ug/l	96
93) 1,2,4-Trichlorobenzene	15.137	180	5977	2.764	ug/l	93
94) Hexachlorobutadiene	15.243	225	3691	3.042	ug/l	97
95) Naphthalene	15.379	128	10384	2.654	ug/l	97
96) 1,2,3-Trichlorobenzene	15.573	180	5507	2.920	ug/l	95

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

