

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062322\
 Data File : VD073678.D
 Acq On : 23 Jun 2022 21:08
 Operator : VA/SY
 Sample : N3214-03 4.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Quant Time: Jun 24 07:28:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 24 07:23:55 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2022
 Supervised By :Mahesh Dadoda 06/30/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	181585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	307627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	298186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	151774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	120931	54.223	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.440%	
35) Dibromofluoromethane	7.908	113	122361	51.060	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.120%	
50) Toluene-d8	10.332	98	407140	47.318	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.640%	
62) 4-Bromofluorobenzene	12.620	95	151079	46.814	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.620%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	9236	5.036	ug/l	95
3) Chloromethane	2.209	50	7982	4.815	ug/l	95
4) Vinyl Chloride	2.344	62	7210	4.408	ug/l	94
5) Bromomethane	2.762	94	6170	4.902	ug/l	96
6) Chloroethane	2.915	64	4842	4.395	ug/l	99
7) Trichlorofluoromethane	3.268	101	17956	4.693	ug/l	89
8) Diethyl Ether	3.709	74	4102	4.181	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.085	101	9968	4.542	ug/l	97
10) Methyl Iodide	4.297	142	8387	4.015	ug/l	96
11) Tert butyl alcohol	5.179	59	28502	57.476	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	8713	4.669	ug/l	92
13) Acrolein	3.938	56	826m	21.917	ug/l	
14) Allyl chloride	4.715	41	10963	3.985	ug/l	94
15) Acrylonitrile	5.397	53	11015	23.457	ug/l #	17
16) Acetone	4.156	43	9955	25.271	ug/l	91
17) Carbon Disulfide	4.403	76	20255	4.302	ug/l #	84
18) Methyl Acetate	4.715	43	8815	7.255	ug/l #	81
19) Methyl tert-butyl Ether	5.473	73	19790	4.073	ug/l	92
20) Methylene Chloride	4.967	84	20479	7.149	ug/l #	87
21) trans-1,2-Dichloroethene	5.479	96	9678	4.360	ug/l	82
22) Diisopropyl ether	6.361	45	22958	3.717	ug/l	96
23) Vinyl Acetate	6.297	43	54379	16.793	ug/l	100
24) 1,1-Dichloroethane	6.256	63	18233	4.432	ug/l	94
25) 2-Butanone	7.208	43	13539	24.089	ug/l #	88
26) 2,2-Dichloropropane	7.197	77	18301	4.723	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	12043	4.613	ug/l	95
28) Bromochloromethane	7.532	49	7070	4.870	ug/l #	99
29) Tetrahydrofuran	7.561	42	8086	23.665	ug/l	95
30) Chloroform	7.697	83	21654	4.677	ug/l	99
31) Cyclohexane	7.973	56	15907	4.754	ug/l #	75
32) 1,1,1-Trichloroethane	7.891	97	19258	4.631	ug/l	99
36) 1,1-Dichloropropene	8.103	75	14038	4.173	ug/l	98
37) Ethyl Acetate	7.291	43	5931	4.492	ug/l #	94
38) Carbon Tetrachloride	8.091	117	17552	4.481	ug/l	98
39) Methylcyclohexane	9.344	83	14414	3.859	ug/l	93
40) Benzene	8.344	78	41064	4.217	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	2999m	3.763	ug/l	
42) 1,2-Dichloroethane	8.408	62	14246	4.855	ug/l	98
43) Isopropyl Acetate	8.438	43	11129	4.296	ug/l	95
44) Trichloroethene	9.103	130	12031	4.301	ug/l	90
45) 1,2-Dichloropropane	9.385	63	10287	4.214	ug/l	94
46) Dibromomethane	9.467	93	6069	4.282	ug/l	96
47) Bromodichloromethane	9.655	83	16468	4.433	ug/l	99
48) Methyl methacrylate	9.444	41	4592m	3.493	ug/l	
49) 1,4-Dioxane	9.450	88	1017	64.266	ug/l #	61
51) 4-Methyl-2-Pentanone	10.220	43	26852	20.169	ug/l	99
52) Toluene	10.397	92	27875	4.369	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	13835	4.094	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	15944	4.145	ug/l	91
55) 1,1,2-Trichloroethane	10.791	97	8885	4.447	ug/l	93
56) Ethyl methacrylate	10.655	69	8499	3.774	ug/l	98
57) 1,3-Dichloropropane	10.932	76	13356	4.054	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.938	63	17498	20.024	ug/l	99
59) 2-Hexanone	10.973	43	17534	19.508	ug/l	94
60) Dibromochloromethane	11.138	129	11433	4.342	ug/l	98
61) 1,2-Dibromoethane	11.232	107	8268	4.372	ug/l	98
64) Tetrachloroethene	10.873	164	10774	4.563	ug/l	93
65) Chlorobenzene	11.661	112	30449	4.172	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	12604	4.298	ug/l	98
67) Ethyl Benzene	11.738	91	48410	3.801	ug/l	90
68) m/p-Xylenes	11.844	106	35400	7.193	ug/l	99
69) o-Xylene	12.167	106	15527	3.401	ug/l	86
70) Styrene	12.185	104	27471	3.439	ug/l	98
71) Bromoform	12.349	173	6692	4.192	ug/l #	93
73) Isopropylbenzene	12.467	105	43556	3.514	ug/l	99
74) N-amyl acetate	12.279	43	8406	3.315	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.714	83	10712	4.581	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	8026m	5.434	ug/l	
77) Bromobenzene	12.749	156	12685	4.256	ug/l	93
78) n-propylbenzene	12.808	91	55870	3.688	ug/l	99
79) 2-Chlorotoluene	12.896	91	34075	3.862	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	35559	3.347	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.502	75	2961	4.093	ug/l	90
82) 4-Chlorotoluene	12.991	91	35815	3.818	ug/l	99
83) tert-Butylbenzene	13.214	119	32053	3.432	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	35908	3.441	ug/l	99
85) sec-Butylbenzene	13.391	105	49175	3.580	ug/l	96
86) p-Isopropyltoluene	13.502	119	37851	3.310	ug/l	96
87) 1,3-Dichlorobenzene	13.502	146	24378	3.928	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	26097	4.249	ug/l	94
89) n-Butylbenzene	13.826	91	37450	3.497	ug/l	97
90) Hexachloroethane	14.090	117	9518	4.038	ug/l	91
91) 1,2-Dichlorobenzene	13.867	146	22267	4.170	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	1739	4.455	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	12279	3.850	ug/l	99
94) Hexachlorobutadiene	15.249	225	7657	4.234	ug/l	92
95) Naphthalene	15.385	128	18677	3.276	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	11100	3.984	ug/l	92

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

