

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031422\
 Data File : VD072172.D
 Acq On : 14 Mar 2022 17:25
 Operator : VA/SY
 Sample : N1645-03 4.0PPB
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 15 02:21:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 15 02:19:07 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/16/2022
 Supervised By :Semsettin Yesilyurt 03/16/2022

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	340025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	562636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	523338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	268847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	211075	55.702	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.400%
35) Dibromofluoromethane	7.914	113	211499	53.418	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.840%
50) Toluene-d8	10.338	98	735944	50.834	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.660%
62) 4-Bromofluorobenzene	12.620	95	273369	48.597	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	17802	5.660	ug/l	91
3) Chloromethane	2.209	50	21179	7.578	ug/l	94
4) Vinyl Chloride	2.350	62	16677	6.182	ug/l	98
5) Bromomethane	2.768	94	12644	7.198	ug/l	98
6) Chloroethane	2.920	64	10615	5.952	ug/l	89
7) Trichlorofluoromethane	3.273	101	32729	5.372	ug/l	99
8) Diethyl Ether	3.709	74	8125	4.829	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	19242	4.954	ug/l	98
10) Methyl Iodide	4.297	142	15269	4.915	ug/l	96
11) Tert butyl alcohol	5.232	59	4532	20.627	ug/l #	74
12) 1,1-Dichloroethene	4.067	96	16106	5.154	ug/l	83
13) Acrolein	3.920	56	4352	22.198	ug/l	92
14) Allyl chloride	4.720	41	25122	4.598	ug/l	97
15) Acrylonitrile	5.420	53	18312	21.570	ug/l	98
16) Acetone	4.162	43	19343	23.510	ug/l #	84
17) Carbon Disulfide	4.409	76	51699	8.113	ug/l	99
18) Methyl Acetate	4.726	43	16639	8.252	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	34760	4.092	ug/l	93
20) Methylene Chloride	4.962	84	45902	9.282	ug/l #	86
21) trans-1,2-Dichloroethene	5.473	96	18535	5.362	ug/l	96
22) Diisopropyl ether	6.373	45	48607	3.900	ug/l	94
23) Vinyl Acetate	6.303	43	89285	14.038	ug/l	99
24) 1,1-Dichloroethane	6.267	63	33809	4.600	ug/l	96
25) 2-Butanone	7.214	43	22322	20.348	ug/l	95
26) 2,2-Dichloropropane	7.208	77	28142	4.244	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	20553	4.657	ug/l	94
28) Bromochloromethane	7.550	49	13574	4.587	ug/l #	89
29) Tetrahydrofuran	7.567	42	14166	21.961	ug/l	95
30) Chloroform	7.708	83	37310	4.765	ug/l	96
31) Cyclohexane	7.979	56	37456	6.327	ug/l #	73
32) 1,1,1-Trichloroethane	7.903	97	32015	4.604	ug/l	97
36) 1,1-Dichloropropene	8.108	75	27292	4.914	ug/l	97
37) Ethyl Acetate	7.303	43	11466	4.713	ug/l	96
38) Carbon Tetrachloride	8.091	117	29836	4.726	ug/l	88
39) Methylcyclohexane	9.350	83	29842	4.774	ug/l	98
40) Benzene	8.344	78	74380	4.694	ug/l	94

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41) Methacrylonitrile	7.526	41	5492	3.873	ug/l #	89
42) 1,2-Dichloroethane	8.420	62	23676	4.925	ug/l	100
43) Isopropyl Acetate	8.450	43	19234	4.073	ug/l #	89
44) Trichloroethene	9.108	130	21962	4.937	ug/l	95
45) 1,2-Dichloropropane	9.379	63	17999	4.142	ug/l	99
46) Dibromomethane	9.467	93	9465	4.428	ug/l #	89
47) Bromodichloromethane	9.655	83	27120	4.352	ug/l	87
48) Methyl methacrylate	9.455	41	10325	4.579	ug/l	91
49) 1,4-Dioxane	9.455	88	2243	87.497	ug/l #	81
51) 4-Methyl-2-Pentanone	10.220	43	47186	19.024	ug/l	100
52) Toluene	10.402	92	48404	4.642	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	22892	4.021	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	27514	4.180	ug/l #	85
55) 1,1,2-Trichloroethane	10.797	97	13852	4.254	ug/l #	90
56) Ethyl methacrylate	10.655	69	15407	4.039	ug/l #	86
57) 1,3-Dichloropropane	10.944	76	23172	4.240	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	31260	18.227	ug/l	95
59) 2-Hexanone	10.979	43	30700	17.921	ug/l	100
60) Dibromochloromethane	11.132	129	18726	4.431	ug/l	96
61) 1,2-Dibromoethane	11.244	107	12972	4.408	ug/l	96
64) Tetrachloroethene	10.873	164	18369	4.982	ug/l	94
65) Chlorobenzene	11.667	112	51000	4.396	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	18376	4.005	ug/l	98
67) Ethyl Benzene	11.738	91	83832	4.046	ug/l	96
68) m/p-Xylenes	11.849	106	63720	8.098	ug/l	98
69) o-Xylene	12.173	106	28753	3.820	ug/l	100
70) Styrene	12.185	104	49079	3.734	ug/l	98
71) Bromoform	12.355	173	9749	3.978	ug/l #	88
73) Isopropylbenzene	12.473	105	77638	3.644	ug/l	100
74) N-amyl acetate	12.279	43	16492	3.602	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	15421	4.047	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	12096m	4.079	ug/l	
77) Bromobenzene	12.749	156	20469	4.269	ug/l	93
78) n-propylbenzene	12.814	91	98351	3.801	ug/l	95
79) 2-Chlorotoluene	12.896	91	58077	3.881	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	69506	3.798	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	4320	3.614	ug/l	90
82) 4-Chlorotoluene	12.996	91	60955	3.934	ug/l	100
83) tert-Butylbenzene	13.214	119	55410	3.453	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	66944	3.712	ug/l	96
85) sec-Butylbenzene	13.390	105	86051	3.571	ug/l	100
86) p-Isopropyltoluene	13.508	119	68122	3.435	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	40156	3.996	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	41321	4.146	ug/l	94
89) n-Butylbenzene	13.832	91	65171	3.448	ug/l	99
90) Hexachloroethane	14.096	117	14556	3.745	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	34256	3.910	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	2464	4.052	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	19794	3.412	ug/l	98
94) Hexachlorobutadiene	15.255	225	12255	3.632	ug/l	95
95) Naphthalene	15.384	128	31284	3.129	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.579	180	18525	3.689	ug/l	97

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

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