

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
 Data File : VD072430.D
 Acq On : 25 Mar 2022 15:44
 Operator : VA/SY
 Sample : N1977-03MSD
 Misc : 5.11G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12-20220315-16.0-17.0MSD

Quant Time: Mar 26 00:11:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/29/2022
 Supervised By :Semsettin Yesilyurt 03/29/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	141126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	285918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	216229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	70988	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	109493	69.618	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 139.240%			
35) Dibromofluoromethane	7.908	113	102463	50.925	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.860%			
50) Toluene-d8	10.332	98	303454	41.247	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 82.500%			
62) 4-Bromofluorobenzene	12.626	95	95015	33.238	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 66.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	47605	36.470	ug/l	96
3) Chloromethane	2.209	50	63962	55.144	ug/l	97
4) Vinyl Chloride	2.350	62	54045	48.270	ug/l	100
5) Bromomethane	2.767	94	17084	23.432	ug/l	97
6) Chloroethane	2.920	64	45829	61.909	ug/l	94
7) Trichlorofluoromethane	3.273	101	125516	49.641	ug/l	98
8) Diethyl Ether	3.709	74	77184	110.526	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	77721	48.207	ug/l	98
10) Methyl Iodide	4.297	142	20340	15.682	ug/l	96
11) Tert butyl alcohol	5.226	59	57007	625.138	ug/l	98
12) 1,1-Dichloroethene	4.067	96	59259	45.688	ug/l	93
13) Acrolein	4.126	56	107	1.315	ug/l	# 14
14) Allyl chloride	4.714	41	56684	24.995	ug/l	93
15) Acrylonitrile	5.420	53	171705	487.296	ug/l	98
16) Acetone	4.156	43	195030	571.131	ug/l	93
17) Carbon Disulfide	4.409	76	143045	47.368	ug/l	97
18) Methyl Acetate	4.714	43	267684	319.878	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	423952	120.257	ug/l	97
20) Methylene Chloride	4.961	84	120848	74.670	ug/l	91
21) trans-1,2-Dichloroethene	5.467	96	41201	28.719	ug/l	94
22) Diisopropyl ether	6.361	45	547944	105.932	ug/l	89
23) Vinyl Acetate	6.361	43	310201	117.508	ug/l	# 77
24) 1,1-Dichloroethane	6.261	63	245653	80.527	ug/l	97
25) 2-Butanone	7.208	43	262548	576.648	ug/l	97
26) 2,2-Dichloropropane	7.202	77	101567	36.900	ug/l	95
27) cis-1,2-Dichloroethene	7.208	96	87014	47.508	ug/l	95
28) Bromochloromethane	7.544	49	74398	60.580	ug/l	88
29) Tetrahydrofuran	7.561	42	175055	653.868	ug/l	96
30) Chloroform	7.702	83	260484	80.152	ug/l	98
31) Cyclohexane	7.979	56	116889	47.570	ug/l	93
32) 1,1,1-Trichloroethane	7.902	97	181596	62.915	ug/l	96
36) 1,1-Dichloropropene	8.108	75	89858	31.835	ug/l	# 71
37) Ethyl Acetate	7.291	43	58871	47.614	ug/l	98
38) Carbon Tetrachloride	8.091	117	124831	38.906	ug/l	97
39) Methylcyclohexane	9.349	83	116550	36.694	ug/l	97
40) Benzene	8.350	78	6096079	757.035	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	65379	90.721	ug/l	92
42) 1,2-Dichloroethane	8.420	62	149741	61.300	ug/l	97
43) Isopropyl Acetate	8.450	43	160183	66.747	ug/l	96
44) Trichloroethene	9.108	130	76243	33.726	ug/l	92
45) 1,2-Dichloropropane	9.379	63	155392	70.363	ug/l	95
46) Dibromomethane	9.473	93	50678	46.650	ug/l	95
47) Bromodichloromethane	9.655	83	193379	61.062	ug/l	96
48) Methyl methacrylate	9.449	41	136570	119.182	ug/l	93
49) 1,4-Dioxane	9.455	88	25867	1985.628	ug/l #	93
51) 4-Methyl-2-Pentanone	10.220	43	636717	505.151	ug/l	97
52) Toluene	10.396	92	951573	179.583	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	58269	20.138	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	68489	20.476	ug/l	96
55) 1,1,2-Trichloroethane	10.791	97	132135	79.846	ug/l	96
56) Ethyl methacrylate	10.655	69	125240	64.612	ug/l	92
57) 1,3-Dichloropropane	10.938	76	186674	67.212	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	305664	350.719	ug/l	98
59) 2-Hexanone	10.979	43	400837	460.438	ug/l	97
60) Dibromochloromethane	11.132	129	125232	58.318	ug/l	99
61) 1,2-Dibromoethane	11.238	107	74616	49.898	ug/l	91
64) Tetrachloroethene	10.873	164	99570	65.356	ug/l	97
65) Chlorobenzene	11.661	112	665569	138.842	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	123216	65.000	ug/l	98
67) Ethyl Benzene	11.738	91	5540542	647.127	ug/l	97
68) m/p-Xylenes	11.849	106	652078	200.574	ug/l	98
69) o-Xylene	12.173	106	542167	174.348	ug/l	97
70) Styrene	12.185	104	324655	59.787	ug/l #	84
71) Bromoform	12.355	173	67111	66.276	ug/l #	98
73) Isopropylbenzene	12.473	105	2306371	409.989	ug/l	100
74) N-amyl acetate	12.267	43	58760	48.606	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	12.720	83	157769	156.813	ug/l	82
76) 1,2,3-Trichloropropane	12.773	75	79489m	101.511	ug/l	
77) Bromobenzene	12.749	156	83581	66.012	ug/l	99
78) n-propylbenzene	12.808	91	1470376	215.189	ug/l	98
79) 2-Chlorotoluene	12.896	91	306179	77.492	ug/l	91
80) 1,3,5-Trimethylbenzene	12.949	105	1360196	281.451	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.508	75	52830m	167.390	ug/l	
82) 4-Chlorotoluene	12.996	91	216150	52.834	ug/l	77
83) tert-Butylbenzene	13.214	119	217482	51.329	ug/l	94
84) 1,2,4-Trimethylbenzene	13.255	105	5784154	1214.682	ug/l	97
85) sec-Butylbenzene	13.390	105	414154	65.089	ug/l	84
86) p-Isopropyltoluene	13.502	119	849228	162.195	ug/l	95
87) 1,3-Dichlorobenzene	13.502	146	172376m	64.960	ug/l	
88) 1,4-Dichlorobenzene	13.585	146	211777	80.482	ug/l	94
89) n-Butylbenzene	13.832	91	467604m	93.697	ug/l	
90) Hexachloroethane	14.102	117	750709	731.550	ug/l #	21
91) 1,2-Dichlorobenzene	13.873	146	142382	61.542	ug/l #	67
92) 1,2-Dibromo-3-Chloropr...	14.508	75	25265	157.350	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.143	180	44241	28.883	ug/l #	1
94) Hexachlorobutadiene	15.255	225	18949	21.267	ug/l	95
95) Naphthalene	15.373	128	27097887m	10262.923	ug/l	
96) 1,2,3-Trichlorobenzene	15.584	180	33705	25.422	ug/l #	17

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

