

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
 Data File : VD072441.D
 Acq On : 25 Mar 2022 20:57
 Operator : VA/SY
 Sample : N1977-03MSD
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Mar 26 00:16:59 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	229368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	447949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	338106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	112570	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.332	65	160421	62.758	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.520%	
35) Dibromofluoromethane	7.909	113	159847	50.709	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.420%	
50) Toluene-d8	10.332	98	483709	41.966	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 83.940%	
62) 4-Bromofluorobenzene	12.626	95	156465	34.936	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 69.880%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.991	85	84945	40.040	ug/l	97
3) Chloromethane	2.209	50	118353	62.781	ug/l	97
4) Vinyl Chloride	2.350	62	103924	57.110	ug/l	100
5) Bromomethane	2.768	94	51343	43.329	ug/l	96
6) Chloroethane	2.921	64	83033	69.014	ug/l	95
7) Trichlorofluoromethane	3.273	101	217492	52.924	ug/l	99
8) Diethyl Ether	3.715	74	89841	79.157	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	127050	48.486	ug/l	98
10) Methyl Iodide	4.303	142	66241	29.187	ug/l	99
11) Tert butyl alcohol	5.226	59	59204	399.460	ug/l	98
12) 1,1-Dichloroethene	4.068	96	112328	53.285	ug/l	98
13) Acrolein	3.932	56	785m	5.936	ug/l	
14) Allyl chloride	4.715	41	161886	43.922	ug/l	96
15) Acrylonitrile	5.415	53	206833	361.164	ug/l	100
16) Acetone	4.156	43	218286	393.310	ug/l	95
17) Carbon Disulfide	4.409	76	186636	38.322	ug/l	98
18) Methyl Acetate	4.715	43	200011	147.058	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	465578	81.257	ug/l	99
20) Methylene Chloride	4.962	84	167291	62.507	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	95109	40.791	ug/l	93
22) Diisopropyl ether	6.362	45	677847	80.630	ug/l	93
23) Vinyl Acetate	6.303	43	432096	100.711	ug/l	99
24) 1,1-Dichloroethane	6.262	63	354411	71.483	ug/l	99
25) 2-Butanone	7.209	43	299310	404.481	ug/l	96
26) 2,2-Dichloropropane	7.209	77	245182	54.808	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	161458	54.239	ug/l	96
28) Bromochloromethane	7.544	49	113125	56.676	ug/l	89
29) Tetrahydrofuran	7.561	42	186770	429.237	ug/l	94
30) Chloroform	7.703	83	364506	69.010	ug/l	98
31) Cyclohexane	7.985	56	186215	46.628	ug/l	94
32) 1,1,1-Trichloroethane	7.903	97	280165	59.722	ug/l	98
36) 1,1-Dichloropropene	8.108	75	178337	40.328	ug/l	96
37) Ethyl Acetate	7.291	43	111307	57.460	ug/l	98
38) Carbon Tetrachloride	8.097	117	207969	41.372	ug/l	97
39) Methylcyclohexane	9.350	83	202287	40.650	ug/l	97
40) Benzene	8.350	78	4735559	375.362	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	77651	68.775	ug/l	94
42) 1,2-Dichloroethane	8.420	62	209444	54.727	ug/l	94
43) Isopropyl Acetate	8.450	43	235616	62.667	ug/l	99
44) Trichloroethene	9.108	130	146689	41.417	ug/l	98
45) 1,2-Dichloropropane	9.385	63	203777	58.896	ug/l	96
46) Dibromomethane	9.473	93	80662	47.393	ug/l	94
47) Bromodichloromethane	9.661	83	266063	53.624	ug/l	99
48) Methyl methacrylate	9.455	41	131999	73.526	ug/l	94
49) 1,4-Dioxane	9.461	88	27575	1351.078	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	674797	341.712	ug/l	96
52) Toluene	10.397	92	860828	103.694	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	151266	33.369	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	177071	33.789	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	167797	64.719	ug/l	95
56) Ethyl methacrylate	10.655	69	193855	63.835	ug/l	98
57) 1,3-Dichloropropane	10.938	76	245849	56.499	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	441951	323.670	ug/l	98
59) 2-Hexanone	10.979	43	480383	352.212	ug/l	97
60) Dibromochloromethane	11.132	129	165191	49.101	ug/l	98
61) 1,2-Dibromoethane	11.238	107	115463	49.284	ug/l	90
64) Tetrachloroethene	10.873	164	113485	47.638	ug/l	94
65) Chlorobenzene	11.661	112	839709	112.026	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	161380	54.445	ug/l	97
67) Ethyl Benzene	11.738	91	5982502	446.870	ug/l	96
68) m/p-Xylenes	11.849	106	789241	155.255	ug/l	100
69) o-Xylene	12.173	106	612785	126.024	ug/l	99
70) Styrene	12.185	104	451669	53.194	ug/l	87
71) Bromoform	12.355	173	85092	53.742	ug/l #	97
73) Isopropylbenzene	12.473	105	3052455	342.180	ug/l	99
74) N-amyl acetate	12.273	43	196609	102.558	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.720	83	166649	104.454	ug/l	88
76) 1,2,3-Trichloropropane	12.773	75	95982m	77.296	ug/l	
77) Bromobenzene	12.755	156	128866	64.182	ug/l	98
78) n-propylbenzene	12.808	91	2085625	192.482	ug/l	97
79) 2-Chlorotoluene	12.896	91	438054	69.915	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1739511	226.981	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	47264	94.437	ug/l #	62
82) 4-Chlorotoluene	12.996	91	348287	53.686	ug/l	85
83) tert-Butylbenzene	13.214	119	334725	49.819	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	6461587	855.705	ug/l	96
85) sec-Butylbenzene	13.391	105	633205	62.756	ug/l	85
86) p-Isopropyltoluene	13.508	119	1175257	141.550	ug/l	95
87) 1,3-Dichlorobenzene	13.502	146	245821m	58.418	ug/l	
88) 1,4-Dichlorobenzene	13.585	146	289322	69.337	ug/l	91
89) n-Butylbenzene	13.832	91	890685m	112.547	ug/l	
90) Hexachloroethane	14.102	117	954115	586.321	ug/l #	21
91) 1,2-Dichlorobenzene	13.879	146	195000	53.151	ug/l #	59
92) 1,2-Dibromo-3-Chloropr...	14.514	75	38370m	150.696	ug/l	
93) 1,2,4-Trichlorobenzene	15.149	180	49273	20.286	ug/l #	1
94) Hexachlorobutadiene	15.255	225	20483	14.497	ug/l	94
95) Naphthalene	15.373	128	26501293m	6329.436	ug/l	
96) 1,2,3-Trichlorobenzene	15.579	180	35703	16.981	ug/l #	9

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

