

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071410.D
 Acq On : 21 Dec 2021 14:52
 Operator : VA/SY
 Sample : M5179-04MSD
 Misc : 8.98G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-EASTMSD

Quant Time: Dec 21 19:07:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	11897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	22138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	24749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	15628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	16972	121.578	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 243.160%#			
35) Dibromofluoromethane	7.914	113	9664	68.552	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 137.100%			
50) Toluene-d8	10.332	98	29837	55.617	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.240%			
62) 4-Bromofluorobenzene	12.620	95	18262	98.203	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 196.400%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	3567	35.159	ug/l	98
3) Chloromethane	2.209	50	6206	46.238	ug/l #	76
4) Vinyl Chloride	2.356	62	7294	48.710	ug/l #	80
5) Bromomethane	2.773	94	7500	69.479	ug/l	86
6) Chloroethane	2.926	64	6414	62.276	ug/l #	77
7) Trichlorofluoromethane	3.279	101	9586	47.256	ug/l #	83
8) Diethyl Ether	3.720	74	6746	122.670	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.120	101	5956	49.766	ug/l #	19
10) Methyl Iodide	4.297	142	4395	33.269	ug/l #	86
11) Tert butyl alcohol	5.209	59	19297	1574.509	ug/l #	91
12) 1,1-Dichloroethene	4.073	96	5077	45.969	ug/l	96
13) Acrolein	3.926	56	14591	1529.513	ug/l	92
14) Allyl chloride	4.720	41	12359	58.914	ug/l #	83
15) Acrylonitrile	5.420	53	62805	2348.299	ug/l	94
16) Acetone	4.162	43	84532	2030.319	ug/l #	84
17) Carbon Disulfide	4.409	76	12997	40.193	ug/l #	92
18) Methyl Acetate	4.715	43	45250	439.330	ug/l #	78
19) Methyl tert-butyl Ether	5.485	73	41932	154.919	ug/l	93
20) Methylene Chloride	4.962	84	16150	120.538	ug/l #	81
21) trans-1,2-Dichloroethene	5.473	96	7319	58.870	ug/l	89
22) Diisopropyl ether	6.367	45	36672	87.251	ug/l #	78
23) Vinyl Acetate	6.303	43	135261	557.530	ug/l	95
24) 1,1-Dichloroethane	6.262	63	16536	68.401	ug/l	97
25) 2-Butanone	7.209	43	99035	2079.182	ug/l #	87
26) 2,2-Dichloropropane	7.214	77	11734	53.378	ug/l #	33
27) cis-1,2-Dichloroethene	7.209	96	108580	771.980	ug/l	95
28) Bromochloromethane	7.550	49	10677	101.684	ug/l #	92
29) Tetrahydrofuran	7.556	42	55146	2487.784	ug/l	97
30) Chloroform	7.709	83	17644	72.723	ug/l	91
31) Cyclohexane	7.985	56	8687	36.584	ug/l #	91
32) 1,1,1-Trichloroethane	7.920	97	13568	62.288	ug/l	91
36) 1,1-Dichloropropene	8.108	75	9424	45.547	ug/l	98
37) Ethyl Acetate	7.291	43	27931	312.508	ug/l	98
38) Carbon Tetrachloride	8.085	117	8231	40.356	ug/l #	90
39) Methylcyclohexane	9.350	83	8264	33.207	ug/l	94
40) Benzene	8.350	78	30680	54.589	ug/l	98

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41) Methacrylonitrile	7.538	41	19925m	215.379	ug/l	
42) 1,2-Dichloroethane	8.426	62	18258	106.427	ug/l	99
43) Isopropyl Acetate	8.456	43	46786	218.271	ug/l #	81
44) Trichloroethene	9.114	130	27834	185.746	ug/l	99
45) 1,2-Dichloropropane	9.385	63	10889	73.673	ug/l #	88
46) Dibromomethane	9.473	93	9657	125.936	ug/l	88
47) Bromodichloromethane	9.661	83	16534	81.531	ug/l #	92
48) Methyl methacrylate	9.450	41	20659	236.140	ug/l #	81
49) 1,4-Dioxane	9.461	88	8801	11889.742	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	159788	1421.711	ug/l	91
52) Toluene	10.397	92	20080	56.310	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	18835	101.018	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	17885	80.754	ug/l #	72
55) 1,1,2-Trichloroethane	10.797	97	14449	143.634	ug/l	94
56) Ethyl methacrylate	10.661	69	23193	147.000	ug/l #	69
57) 1,3-Dichloropropane	10.944	76	22000	124.493	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	57214	835.810	ug/l	98
59) 2-Hexanone	10.979	43	127465	1480.926	ug/l	89
60) Dibromochloromethane	11.138	129	14238	113.881	ug/l	97
61) 1,2-Dibromoethane	11.244	107	14386	148.904	ug/l	98
64) Tetrachloroethene	10.873	164	254060	1616.995	ug/l	97
65) Chlorobenzene	11.667	112	23808	51.847	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.738	131	10412	62.100	ug/l	96
67) Ethyl Benzene	11.738	91	38755	44.832	ug/l	99
68) m/p-Xylenes	11.849	106	27600	84.569	ug/l	92
69) o-Xylene	12.173	106	16810	54.802	ug/l	96
70) Styrene	12.191	104	29879	57.797	ug/l	97
71) Bromoform	12.349	173	12132	139.672	ug/l #	97
73) Isopropylbenzene	12.473	105	52104	46.045	ug/l	98
74) N-amyl acetate	12.273	43	53793	159.533	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.720	83	30335	162.785	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	23346m	156.793	ug/l	
77) Bromobenzene	12.755	156	11473	46.809	ug/l #	53
78) n-propylbenzene	12.814	91	96480	68.464	ug/l	99
79) 2-Chlorotoluene	12.896	91	38522	48.705	ug/l	85
80) 1,3,5-Trimethylbenzene	12.949	105	115267	123.527	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.520	75	8026	117.291	ug/l #	15
82) 4-Chlorotoluene	12.996	91	32102	39.095	ug/l	98
83) tert-Butylbenzene	13.214	119	34989	43.661	ug/l	90
84) 1,2,4-Trimethylbenzene	13.255	105	337032	369.948	ug/l	98
85) sec-Butylbenzene	13.391	105	80007	65.366	ug/l #	76
86) p-Isopropyltoluene	13.508	119	61130	61.063	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	20497	42.010	ug/l	92
88) 1,4-Dichlorobenzene	13.585	146	22814	47.195	ug/l	93
89) n-Butylbenzene	13.832	91	73216	74.920	ug/l #	75
90) Hexachloroethane	14.102	117	12079	63.650	ug/l #	52
91) 1,2-Dichlorobenzene	13.879	146	20859	50.272	ug/l	87
92) 1,2-Dibromo-3-Chloropr...	14.496	75	7560	249.116	ug/l	92
93) 1,2,4-Trichlorobenzene	15.149	180	12404	47.926	ug/l #	85
94) Hexachlorobutadiene	15.255	225	2456	16.771	ug/l	95
95) Naphthalene	15.385	128	74658	163.633	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	13439	61.135	ug/l	94

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

