

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071409.D
 Acq On : 21 Dec 2021 14:25
 Operator : VA/SY
 Sample : M5179-03MS
 Misc : 6.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Dec 21 19:06:47 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	7.979	168	19173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	36588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	38020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	23085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	21574	95.896	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 191.800%#			
35) Dibromofluoromethane	7.920	113	15924	68.347	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 136.700%			
50) Toluene-d8	10.332	98	44709	50.425	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.860%			
62) 4-Bromofluorobenzene	12.620	95	21548	70.111	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 140.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	6331	38.721	ug/l #	71
3) Chloromethane	2.209	50	9879	45.671	ug/l	89
4) Vinyl Chloride	2.350	62	12937	53.608	ug/l	93
5) Bromomethane	2.779	94	11341	65.191	ug/l	86
6) Chloroethane	2.932	64	8771	52.844	ug/l #	79
7) Trichlorofluoromethane	3.279	101	15988	48.906	ug/l	96
8) Diethyl Ether	3.715	74	11309	127.603	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	9802	50.821	ug/l	99
10) Methyl Iodide	4.315	142	7454	34.773	ug/l	89
11) Tert butyl alcohol	5.226	59	26442	1414.698	ug/l #	93
12) 1,1-Dichloroethene	4.073	96	8639	48.536	ug/l #	86
13) Acrolein	3.926	56	21623	1406.473	ug/l	99
14) Allyl chloride	4.720	41	21424	63.369	ug/l #	60
15) Acrylonitrile	5.420	53	86126	1998.209	ug/l	97
16) Acetone	4.162	43	100829	1510.715	ug/l #	80
17) Carbon Disulfide	4.409	76	20280	38.916	ug/l #	90
18) Methyl Acetate	4.720	43	60634	365.289	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	63548	145.683	ug/l	99
20) Methylene Chloride	4.956	84	20026	91.695	ug/l	85
21) trans-1,2-Dichloroethene	5.479	96	11780	58.795	ug/l #	81
22) Diisopropyl ether	6.367	45	59988	88.562	ug/l	91
23) Vinyl Acetate	6.309	43	246385	626.623	ug/l	96
24) 1,1-Dichloroethane	6.273	63	24480	62.834	ug/l #	93
25) 2-Butanone	7.209	43	129452	1691.755	ug/l	99
26) 2,2-Dichloropropane	7.209	77	17419	49.168	ug/l #	1
27) cis-1,2-Dichloroethene	7.214	96	295398	1303.200	ug/l	96
28) Bromochloromethane	7.544	49	16518	97.613	ug/l #	85
29) Tetrahydrofuran	7.561	42	78036	2184.444	ug/l	90
30) Chloroform	7.708	83	27425	70.140	ug/l	100
31) Cyclohexane	7.979	56	14587	38.118	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	19607	55.853	ug/l #	89
36) 1,1-Dichloropropene	8.114	75	14556	42.566	ug/l	86
37) Ethyl Acetate	7.291	43	46405	314.152	ug/l #	75
38) Carbon Tetrachloride	8.097	117	14738	43.721	ug/l #	89
39) Methylcyclohexane	9.350	83	14241	34.624	ug/l #	78
40) Benzene	8.350	78	50564	54.436	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	31685m	210.678	ug/l	
42) 1,2-Dichloroethane	8.420	62	28241	99.604	ug/l	94
43) Isopropyl Acetate	8.450	43	65464	185.593	ug/l #	82
44) Trichloroethene	9.108	130	70559	284.902	ug/l	97
45) 1,2-Dichloropropane	9.379	63	17160	70.249	ug/l	100
46) Dibromomethane	9.473	93	15009	118.429	ug/l	95
47) Bromodichloromethane	9.661	83	25764	76.870	ug/l #	92
48) Methyl methacrylate	9.450	41	30412	210.332	ug/l #	80
49) 1,4-Dioxane	9.455	88	11562	9450.898	ug/l #	95
51) 4-Methyl-2-Pentanone	10.226	43	225190	1216.831	ug/l	91
52) Toluene	10.397	92	30682	52.060	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	27731	89.991	ug/l	94
54) cis-1,3-Dichloropropene	10.085	75	28035	76.591	ug/l #	83
55) 1,1,2-Trichloroethane	10.797	97	21465	129.107	ug/l	94
56) Ethyl methacrylate	10.655	69	32427	125.275	ug/l #	69
57) 1,3-Dichloropropane	10.938	76	36196	123.931	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	82313	727.568	ug/l	98
59) 2-Hexanone	10.979	43	170983	1208.486	ug/l	88
60) Dibromochloromethane	11.138	129	22280	107.825	ug/l	98
61) 1,2-Dibromoethane	11.244	107	22522	141.050	ug/l	98
64) Tetrachloroethene	10.873	164	90196	373.685	ug/l	97
65) Chlorobenzene	11.661	112	38050	53.938	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	16489	64.017	ug/l	92
67) Ethyl Benzene	11.738	91	57315	43.159	ug/l	97
68) m/p-Xylenes	11.844	106	41150	82.076	ug/l	91
69) o-Xylene	12.173	106	21811	46.286	ug/l	90
70) Styrene	12.185	104	40601	51.123	ug/l	94
71) Bromoform	12.355	173	18017	135.022	ug/l #	98
73) Isopropylbenzene	12.473	105	55410	33.149	ug/l	96
74) N-amyl acetate	12.279	43	51556	105.511	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	38423	139.584	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	33127m	150.616	ug/l	
77) Bromobenzene	12.749	156	17376	47.993	ug/l	66
78) n-propylbenzene	12.814	91	69172	33.230	ug/l	99
79) 2-Chlorotoluene	12.896	91	43409	37.155	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	53085	38.513	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	12333	121.781	ug/l #	67
82) 4-Chlorotoluene	12.996	91	46182	38.075	ug/l	98
83) tert-Butylbenzene	13.214	119	40458	34.178	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	63997	47.556	ug/l	97
85) sec-Butylbenzene	13.391	105	58156	32.166	ug/l	97
86) p-Isopropyltoluene	13.508	119	48930	33.088	ug/l	96
87) 1,3-Dichlorobenzene	13.502	146	31915	44.282	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	32945	46.138	ug/l	95
89) n-Butylbenzene	13.832	91	47707	33.048	ug/l	95
90) Hexachloroethane	14.102	117	10650	37.992	ug/l	86
91) 1,2-Dichlorobenzene	13.879	146	31437	51.291	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.490	75	10026	223.656	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	17639	46.138	ug/l	98
94) Hexachlorobutadiene	15.255	225	6303	29.138	ug/l	93
95) Naphthalene	15.385	128	77130	114.444	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	18296	56.345	ug/l	98

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

