

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
 Data File : VD068781.D
 Acq On : 08 Apr 2021 11:12
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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4/9/2021 7:55:11 PM

Quant Time: Apr 08 16:39:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	253566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	417302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	399478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	196404	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	130712	48.78	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.56%		
35) Dibromofluoromethane	7.914	113	135930	50.08	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.16%		
50) Toluene-d8	10.338	98	529431	51.71	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.42%		
62) 4-Bromofluorobenzene	12.632	95	174259	51.24	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.48%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	111792	44.49	ug/l	100
3) Chloromethane	2.209	50	125571	42.51	ug/l	96
4) Vinyl Chloride	2.350	62	169909	45.79	ug/l	97
5) Bromomethane	2.762	94	122615	44.20	ug/l	96
6) Chloroethane	2.921	64	109042	44.72	ug/l	97
7) Trichlorofluoromethane	3.274	101	197858	45.32	ug/l	100
8) Diethyl Ether	3.709	74	51180	43.40	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	124238	47.15	ug/l	98
10) Methyl Iodide	4.303	142	118083	38.82	ug/l	98
11) Tert butyl alcohol	5.226	59	30837	212.26	ug/l	99
12) 1,1-Dichloroethene	4.073	96	116631	45.95	ug/l	98
13) Acrolein	3.926	56	21671	205.46	ug/l	97
14) Allyl chloride	4.715	41	125840	43.99	ug/l	98
15) Acrylonitrile	5.426	53	118978	224.82	ug/l	98
16) Acetone	4.156	43	84979	228.99	ug/l	90
17) Carbon Disulfide	4.409	76	362100	44.08	ug/l	99
18) Methyl Acetate	4.721	43	43083	42.26	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	263169	46.73	ug/l	99
20) Methylene Chloride	4.968	84	132831	43.57	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	150554	46.19	ug/l	94
22) Diisopropyl ether	6.367	45	320739	46.28	ug/l	98
23) Vinyl Acetate	6.309	43	893144	243.16	ug/l	99
24) 1,1-Dichloroethane	6.267	63	240434	46.01	ug/l	100
25) 2-Butanone	7.214	43	119599	227.75	ug/l	91
26) 2,2-Dichloropropane	7.214	77	192330	45.06	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	146891	45.35	ug/l	99
28) Bromochloromethane	7.544	49	84400	44.75	ug/l	97
29) Tetrahydrofuran	7.562	42	79221	224.32	ug/l	99
30) Chloroform	7.709	83	249246	43.58	ug/l	92
31) Cyclohexane	7.985	56	206191	46.24	ug/l	96
32) 1,1,1-Trichloroethane	7.909	97	241393	48.30	ug/l	99
36) 1,1-Dichloropropene	8.109	75	212527	50.31	ug/l	100
37) Ethyl Acetate	7.297	43	56579	45.60	ug/l	97
38) Carbon Tetrachloride	8.097	117	208048	49.75	ug/l	98
39) Methylcyclohexane	9.356	83	254731	51.71	ug/l	97
40) Benzene	8.350	78	600445	48.58	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	33245	45.26	ug/l	89
42) 1,2-Dichloroethane	8.426	62	160788	49.21	ug/l	98
43) Isopropyl Acetate	8.450	43	123260	48.74	ug/l	99
44) Trichloroethene	9.114	130	165482	48.47	ug/l	95
45) 1,2-Dichloropropane	9.385	63	143910	48.74	ug/l	99
46) Dibromomethane	9.479	93	84259	51.23	ug/l	98
47) Bromodichloromethane	9.661	83	208520	48.53	ug/l	98
48) Methyl methacrylate	9.456	41	62424	50.08	ug/l	96
49) 1,4-Dioxane	9.456	88	18782	1078.67	ug/l	88
51) 4-Methyl-2-Pentanone	10.226	43	318320	249.70	ug/l	98
52) Toluene	10.403	92	394117	50.36	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	187776	49.31	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	223233	49.00	ug/l	99
55) 1,1,2-Trichloroethane	10.803	97	113035	48.61	ug/l	96
56) Ethyl methacrylate	10.661	69	121327	50.68	ug/l	99
57) 1,3-Dichloropropane	10.944	76	187203	48.89	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.944	63	317890	249.48	ug/l	99
59) 2-Hexanone	10.985	43	219407	257.22	ug/l	99
60) Dibromochloromethane	11.138	129	146927	50.39	ug/l	98
61) 1,2-Dibromoethane	11.244	107	110217	48.77	ug/l	99
64) Tetrachloroethene	10.873	164	137293	49.03	ug/l	96
65) Chlorobenzene	11.667	112	423455	48.97	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.744	131	153580	49.40	ug/l	98
67) Ethyl Benzene	11.744	91	754074	50.36	ug/l	100
68) m/p-Xylenes	11.850	106	593540	102.72	ug/l	99
69) o-Xylene	12.179	106	267987	51.00	ug/l	99
70) Styrene	12.191	104	475830	51.96	ug/l	100
71) Bromoform	12.355	173	83457	50.10	ug/l #	99
73) Isopropylbenzene	12.473	105	736502	51.36	ug/l	98
74) N-amyl acetate	12.285	43	117506	48.32	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	126647	47.25	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	85698m	47.76	ug/l	
77) Bromobenzene	12.755	156	170964	49.59	ug/l	98
78) n-propylbenzene	12.814	91	889101	51.04	ug/l	100
79) 2-Chlorotoluene	12.902	91	478577	49.19	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	619125	51.64	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	38718	50.08	ug/l	98
82) 4-Chlorotoluene	13.002	91	509023	49.35	ug/l	99
83) tert-Butylbenzene	13.220	119	517642	50.88	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	631225	52.13	ug/l	99
85) sec-Butylbenzene	13.397	105	742546	51.73	ug/l	99
86) p-Isopropyltoluene	13.508	119	685731	52.30	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	343427	50.28	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	331721	49.07	ug/l	98
89) n-Butylbenzene	13.838	91	652997	52.88	ug/l	99
90) Hexachloroethane	14.102	117	130524	49.98	ug/l	97
91) 1,2-Dichlorobenzene	13.885	146	290157	49.09	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	18599	45.65	ug/l	99
93) 1,2,4-Trichlorobenzene	15.155	180	188869	51.64	ug/l	97
94) Hexachlorobutadiene	15.261	225	108628	51.88	ug/l	98
95) Naphthalene	15.396	128	325353	51.07	ug/l	99
96) 1,2,3-Trichlorobenzene	15.591	180	160625	50.21	ug/l	99

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

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