

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033021\
 Data File : VD068719.D
 Acq On : 30 Mar 2021 10:34
 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

MMDadoda
 3/31/2021 4:21:08 PM

Quant Time: Mar 31 00:58:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	494765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	810104	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	729641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	342310	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	229190	45.94	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.88%		
35) Dibromofluoromethane	7.909	113	241781	47.97	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.94%		
50) Toluene-d8	10.338	98	991576	51.03	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.06%		
62) 4-Bromofluorobenzene	12.632	95	317216	50.35	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.70%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	194793	50.37	ug/l	96
3) Chloromethane	2.209	50	208773	43.82	ug/l	100
4) Vinyl Chloride	2.350	62	283522	50.34	ug/l	99
5) Bromomethane	2.762	94	210995	50.70	ug/l	100
6) Chloroethane	2.921	64	183860	49.84	ug/l	97
7) Trichlorofluoromethane	3.273	101	388405	57.85	ug/l	99
8) Diethyl Ether	3.709	74	103688	55.85	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	238604	59.39	ug/l	98
10) Methyl Iodide	4.297	142	260301	54.68	ug/l	98
11) Tert butyl alcohol	5.215	59	49023	213.24	ug/l	95
12) 1,1-Dichloroethene	4.062	96	225862	57.75	ug/l	98
13) Acrolein	3.921	56	43012	224.21	ug/l	94
14) Allyl chloride	4.709	41	243079	51.16	ug/l	96
15) Acrylonitrile	5.420	53	181053	200.36	ug/l	97
16) Acetone	4.156	43	177299	292.92	ug/l	96
17) Carbon Disulfide	4.403	76	676408	53.87	ug/l	99
18) Methyl Acetate	4.720	43	88884	53.42	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	458229	46.52	ug/l	98
20) Methylene Chloride	4.956	84	255405	49.03	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	252767	46.49	ug/l	94
22) Diisopropyl ether	6.367	45	553855	45.86	ug/l	99
23) Vinyl Acetate	6.303	43	1415288	220.59	ug/l	97
24) 1,1-Dichloroethane	6.267	63	412319	46.55	ug/l	98
25) 2-Butanone	7.209	43	222900	222.25	ug/l	99
26) 2,2-Dichloropropane	7.209	77	400371	50.81	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	298332	49.24	ug/l	99
28) Bromochloromethane	7.544	49	147078	42.00	ug/l	90
29) Tetrahydrofuran	7.561	42	127857	201.68	ug/l	94
30) Chloroform	7.709	83	437313	45.44	ug/l	98
31) Cyclohexane	7.985	56	355034	44.11	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	394836	45.95	ug/l	99
36) 1,1-Dichloropropene	8.109	75	361586	49.98	ug/l	98
37) Ethyl Acetate	7.285	43	92176	40.37	ug/l #	93
38) Carbon Tetrachloride	8.097	117	368466	51.03	ug/l	98
39) Methylcyclohexane	9.356	83	456452	51.11	ug/l	96
40) Benzene	8.350	78	1028394	48.71	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	57350	42.92	ug/l	88
42) 1,2-Dichloroethane	8.420	62	263051	47.62	ug/l	99
43) Isopropyl Acetate	8.450	43	207494	47.37	ug/l	100
44) Trichloroethene	9.114	130	301699	51.50	ug/l	89
45) 1,2-Dichloropropane	9.385	63	235516	46.63	ug/l	93
46) Dibromomethane	9.473	93	134504	46.83	ug/l	92
47) Bromodichloromethane	9.661	83	357813	48.57	ug/l	99
48) Methyl methacrylate	9.456	41	95173	42.88	ug/l	89
49) 1,4-Dioxane	9.461	88	30611	959.21	ug/l #	86
51) 4-Methyl-2-Pentanone	10.226	43	507592	222.62	ug/l	99
52) Toluene	10.403	92	698076	52.25	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	318060	46.93	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	380254	47.25	ug/l	97
55) 1,1,2-Trichloroethane	10.803	97	187051	46.30	ug/l	98
56) Ethyl methacrylate	10.661	69	210310	48.18	ug/l	98
57) 1,3-Dichloropropane	10.944	76	313452	47.55	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	521802	234.62	ug/l	96
59) 2-Hexanone	10.985	43	366796	239.58	ug/l	99
60) Dibromochloromethane	11.138	129	246866	49.27	ug/l	100
61) 1,2-Dibromoethane	11.244	107	186616	47.86	ug/l	98
64) Tetrachloroethene	10.873	164	249727	52.80	ug/l	98
65) Chlorobenzene	11.667	112	733319	51.07	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.744	131	261063	50.53	ug/l	98
67) Ethyl Benzene	11.744	91	1310322	52.31	ug/l	100
68) m/p-Xylenes	11.855	106	969811	99.37	ug/l	98
69) o-Xylene	12.179	106	471995	52.18	ug/l	96
70) Styrene	12.191	104	797177	51.28	ug/l	100
71) Bromoform	12.361	173	138555	50.85	ug/l #	98
73) Isopropylbenzene	12.479	105	1266461	53.85	ug/l	100
74) N-amyl acetate	12.285	43	183614	46.84	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.726	83	195889	47.14	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	127598m	44.79	ug/l	
77) Bromobenzene	12.755	156	291115	52.77	ug/l	95
78) n-propylbenzene	12.814	91	1483138	52.96	ug/l	97
79) 2-Chlorotoluene	12.902	91	820801	53.71	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	1049305	55.17	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	60945	48.67	ug/l	99
82) 4-Chlorotoluene	13.002	91	854060	52.32	ug/l	97
83) tert-Butylbenzene	13.220	119	881161	54.36	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1045129	53.19	ug/l	97
85) sec-Butylbenzene	13.397	105	1252975	53.17	ug/l	99
86) p-Isopropyltoluene	13.514	119	1150763	53.66	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	560857	50.98	ug/l	97
88) 1,4-Dichlorobenzene	13.591	146	553245	51.16	ug/l	99
89) n-Butylbenzene	13.838	91	1066510	52.39	ug/l	97
90) Hexachloroethane	14.108	117	210002	54.43	ug/l	92
91) 1,2-Dichlorobenzene	13.885	146	478768	51.22	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	29599	49.78	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	322807	53.16	ug/l	98
94) Hexachlorobutadiene	15.261	225	189837	54.75	ug/l	97
95) Naphthalene	15.396	128	554158	52.12	ug/l	100
96) 1,2,3-Trichlorobenzene	15.585	180	272811	52.76	ug/l	99

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

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