

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066311.D
 Acq On : 19 Aug 2020 11:16
 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
 8/20/2020 3:36:48 PM

Quant Time: Aug 19 16:06:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	259001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	369102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	329730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	167971	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	121146	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
35) Dibromofluoromethane	7.91	113	121331	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
50) Toluene-d8	10.34	98	444406	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.63	95	157680	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	94569	41.443	ug/l	99
3) Chloromethane	2.20	50	73828	41.592	ug/l	98
4) Vinyl Chloride	2.35	62	76572	48.725	ug/l	99
5) Bromomethane	2.76	94	53250	51.073	ug/l	97
6) Chloroethane	2.92	64	48999	50.794	ug/l	93
7) Trichlorofluoromethane	3.27	101	204479	49.909	ug/l	98
8) Diethyl Ether	3.70	74	55191	47.741	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	118851	48.880	ug/l	97
10) Methyl Iodide	4.30	142	126595	56.223	ug/l	96
11) Tert butyl alcohol	5.21	59	38600	219.004	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	111897	48.784	ug/l	96
13) Acrolein	3.92	56	35432	192.643	ug/l	99
14) Allyl chloride	4.71	41	161549	46.489	ug/l	94
15) Acrylonitrile	5.41	53	116705	239.569	ug/l	99
16) Acetone	4.16	43	116418	265.531	ug/l	92
17) Carbon Disulfide	4.40	76	296005	40.587	ug/l	99
18) Methyl Acetate	4.71	43	49777	44.698	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	262573	49.944	ug/l	97
20) Methylene Chloride	4.96	84	126650	50.331	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	123375	46.822	ug/l	94
22) Diisopropyl ether	6.36	45	326780	47.554	ug/l	96
23) Vinyl Acetate	6.30	43	972046	241.456	ug/l	99
24) 1,1-Dichloroethane	6.26	63	207482	48.788	ug/l	98
25) 2-Butanone	7.21	43	153740	238.410	ug/l	99
26) 2,2-Dichloropropane	7.20	77	203390	53.361	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	138380	50.069	ug/l	99
28) Bromochloromethane	7.54	49	71709	48.009	ug/l	96
29) Tetrahydrofuran	7.56	42	91075	227.955	ug/l	98
30) Chloroform	7.71	83	233396	52.267	ug/l	99
31) Cyclohexane	7.98	56	177529	43.854	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	223781	53.448	ug/l	99
36) 1,1-Dichloropropene	8.11	75	175760	50.674	ug/l	98
37) Ethyl Acetate	7.29	43	61197	44.532	ug/l	98
38) Carbon Tetrachloride	8.09	117	210417	54.402	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	204781	48.841	ug/l	97
40) Benzene	8.34	78	471557	49.010	ug/l	97
41) Methacrylonitrile	7.51	41	39977	49.476	ug/l	95
42) 1,2-Dichloroethane	8.42	62	148620	52.579	ug/l	98
43) Isopropyl Acetate	8.44	43	130696	48.269	ug/l	99
44) Trichloroethene	9.11	130	148452	51.202	ug/l	100
45) 1,2-Dichloropropane	9.38	63	116290	49.417	ug/l	93
46) Dibromomethane	9.47	93	65290	50.370	ug/l	97
47) Bromodichloromethane	9.66	83	181009	52.836	ug/l	94
48) Methyl methacrylate	9.45	41	63665	46.048	ug/l	90
49) 1,4-Dioxane	9.46	88	15086	905.898	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	335926	241.532	ug/l	99
52) Toluene	10.40	92	318805	50.354	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	169748	52.211	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	196449	51.572	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	92139	49.365	ug/l	96
56) Ethyl methacrylate	10.66	69	114321	50.986	ug/l	95
57) 1,3-Dichloropropane	10.94	76	154354	49.813	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	264555	262.308	ug/l	98
59) 2-Hexanone	10.98	43	237331	243.143	ug/l	98
60) Dibromochloromethane	11.14	129	131853	51.169	ug/l	99
61) 1,2-Dibromoethane	11.24	107	92685	51.635	ug/l	96
64) Tetrachloroethene	10.87	164	132483	52.324	ug/l	97
65) Chlorobenzene	11.67	112	346886	51.823	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	140002	53.456	ug/l	99
67) Ethyl Benzene	11.74	91	624004	53.796	ug/l	98
68) m/p-Xylenes	11.86	106	472938	105.235	ug/l	97
69) o-Xylene	12.18	106	217198	53.129	ug/l	98
70) Styrene	12.20	104	388458	54.219	ug/l	98
71) Bromoform	12.36	173	80424	51.829	ug/l #	99
73) Isopropylbenzene	12.48	105	627162	55.934	ug/l	99
74) N-amyl acetate	12.28	43	125382	50.781	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	94403	49.376	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	63583m	45.392	ug/l	
77) Bromobenzene	12.76	156	153496	53.181	ug/l	98
78) n-propylbenzene	12.82	91	722639	55.444	ug/l	99
79) 2-Chlorotoluene	12.91	91	405430	54.388	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	531042	56.632	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31987	50.479	ug/l	94
82) 4-Chlorotoluene	13.01	91	428545	54.459	ug/l	100
83) tert-Butylbenzene	13.23	119	459299	55.696	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	519706	55.380	ug/l	100
85) sec-Butylbenzene	13.40	105	618625	55.562	ug/l	99
86) p-Isopropyltoluene	13.52	119	589019	56.405	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	289722	53.408	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	284820	52.647	ug/l	98
89) n-Butylbenzene	13.85	91	529157	56.557	ug/l	99
90) Hexachloroethane	14.11	117	111837	53.698	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	250126	52.137	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17001	51.738	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	189852	53.700	ug/l	97
94) Hexachlorobutadiene	15.27	225	116160	55.795	ug/l	99
95) Naphthalene	15.41	128	318065	55.213	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	170752	54.711	ug/l	99

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

