

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121019\
 Data File : VD064491.D
 Acq On : 10 Dec 2019 18:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/11/2019 2:15:26 PM

Quant Time: Dec 11 01:21:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	414206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	626964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	564397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287560	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	193904	51.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.44%	
35) Dibromofluoromethane	7.92	113	197641	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.06%	
50) Toluene-d8	10.34	98	744909	50.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.64	95	234969	49.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	171945	45.814	ug/l	100
3) Chloromethane	2.21	50	222251	46.951	ug/l	97
4) Vinyl Chloride	2.35	62	267114	48.872	ug/l	98
5) Bromomethane	2.77	94	195043	48.256	ug/l	99
6) Chloroethane	2.92	64	185753	50.847	ug/l	100
7) Trichlorofluoromethane	3.27	101	458129	50.421	ug/l	96
8) Diethyl Ether	3.71	74	95976	50.832	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	199396	51.182	ug/l	95
10) Methyl Iodide	4.29	142	233384	56.727	ug/l	100
11) Tert butyl alcohol	5.26	59	60432	253.220	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	185920	49.799	ug/l	95
13) Acrolein	3.92	56	91712	281.741	ug/l	99
14) Allyl chloride	4.71	41	299352	51.377	ug/l	99
15) Acrylonitrile	5.43	53	205104	248.417	ug/l	98
16) Acetone	4.17	43	164806	217.528	ug/l	99
17) Carbon Disulfide	4.40	76	570541	48.251	ug/l	98
18) Methyl Acetate	4.73	43	109078	49.358	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	438697	51.226	ug/l	98
20) Methylene Chloride	4.96	84	214242	56.206	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	214884	50.883	ug/l	96
22) Diisopropyl ether	6.37	45	611868	53.195	ug/l	96
23) Vinyl Acetate	6.31	43	1763893	260.123	ug/l	98
24) 1,1-Dichloroethane	6.27	63	365741	52.873	ug/l	98
25) 2-Butanone	7.23	43	254830	237.837	ug/l	96
26) 2,2-Dichloropropane	7.21	77	311821	51.835	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	242768	52.728	ug/l	99
28) Bromochloromethane	7.56	49	130857	55.354	ug/l	100
29) Tetrahydrofuran	7.57	42	168802	247.626	ug/l	99
30) Chloroform	7.71	83	380877	53.166	ug/l	96
31) Cyclohexane	7.98	56	320039	53.296	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	343514	51.720	ug/l	99
36) 1,1-Dichloropropene	8.11	75	287589	48.495	ug/l	99
37) Ethyl Acetate	7.30	43	119867	47.636	ug/l	100
38) Carbon Tetrachloride	8.10	117	312622	49.949	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	351276	47.753	ug/l	98
40) Benzene	8.35	78	824432	50.054	ug/l	98
41) Methacrylonitrile	7.54	41	68085m	47.181	ug/l	
42) 1,2-Dichloroethane	8.43	62	239224	49.804	ug/l	99
43) Isopropyl Acetate	8.46	43	240960	48.703	ug/l	99
44) Trichloroethene	9.11	130	239665	48.306	ug/l	100
45) 1,2-Dichloropropane	9.39	63	203422	51.642	ug/l	100
46) Dibromomethane	9.48	93	112407	50.561	ug/l	98
47) Bromodichloromethane	9.66	83	298219	52.205	ug/l	99
48) Methyl methacrylate	9.46	41	110036	48.603	ug/l	96
49) 1,4-Dioxane	9.47	88	25780	939.041	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	590360	241.160	ug/l	99
52) Toluene	10.41	92	533170	49.671	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	275841	50.667	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	333908	51.628	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	153261	50.345	ug/l	99
56) Ethyl methacrylate	10.66	69	192363	49.543	ug/l	98
57) 1,3-Dichloropropane	10.95	76	261844	50.529	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	362674	234.315	ug/l	99
59) 2-Hexanone	10.99	43	394736	232.383	ug/l	99
60) Dibromochloromethane	11.14	129	208629	50.546	ug/l	100
61) 1,2-Dibromoethane	11.25	107	150505	49.516	ug/l	99
64) Tetrachloroethene	10.88	164	208076	48.345	ug/l	95
65) Chlorobenzene	11.67	112	576769	48.997	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	225719	51.798	ug/l	98
67) Ethyl Benzene	11.75	91	1030207	49.188	ug/l	99
68) m/p-Xylenes	11.86	106	799810	100.154	ug/l	100
69) o-Xylene	12.18	106	371796	50.411	ug/l	99
70) Styrene	12.20	104	646099	50.411	ug/l	100
71) Bromoform	12.37	173	124805	47.871	ug/l #	99
73) Isopropylbenzene	12.48	105	986514	47.700	ug/l	100
74) N-amyl acetate	12.29	43	220401	46.954	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	156215	45.676	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	95068m	40.201	ug/l	
77) Bromobenzene	12.77	156	247017	48.366	ug/l	99
78) n-propylbenzene	12.83	91	1139186	47.739	ug/l	100
79) 2-Chlorotoluene	12.91	91	629142	47.915	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	812446	48.071	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	50741	46.787	ug/l	100
82) 4-Chlorotoluene	13.01	91	677392	48.726	ug/l	100
83) tert-Butylbenzene	13.23	119	718942	48.930	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	814979	47.956	ug/l	100
85) sec-Butylbenzene	13.41	105	959972	47.603	ug/l	99
86) p-Isopropyltoluene	13.52	119	914149	48.015	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	469184	48.402	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	461144	48.185	ug/l	99
89) n-Butylbenzene	13.85	91	833807	48.226	ug/l	99
90) Hexachloroethane	14.12	117	176634	49.603	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	402488	48.585	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24807	48.403	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	300917	47.430	ug/l	99
94) Hexachlorobutadiene	15.28	225	183278	46.794	ug/l	99
95) Naphthalene	15.41	128	487151	46.009	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	260551	48.111	ug/l	100

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

