

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101819\
 Data File : VD064015.D
 Acq On : 18 Oct 2019 17:50
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 19 03:03:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	173515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	270830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	280641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157714	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	86634	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
35) Dibromofluoromethane	7.91	113	90760	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	
50) Toluene-d8	10.34	98	382464	56.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.86%	
62) 4-Bromofluorobenzene	12.64	95	128091	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	54607	44.377	ug/l	88
3) Chloromethane	2.21	50	177694	53.792	ug/l	99
4) Vinyl Chloride	2.35	62	213216	53.611	ug/l	100
5) Bromomethane	2.77	94	134087	52.442	ug/l	99
6) Chloroethane	2.93	64	138172	52.533	ug/l	90
7) Trichlorofluoromethane	3.27	101	294879	56.079	ug/l	98
8) Diethyl Ether	3.70	74	39648	46.977	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	62242	42.762	ug/l	97
10) Methyl Iodide	4.30	142	80576	40.175	ug/l	99
11) Tert butyl alcohol	5.25	59	23609	199.550	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	58379	40.145	ug/l	92
13) Acrolein	3.92	56	24557	162.761	ug/l	92
14) Allyl chloride	4.72	41	116599	48.227	ug/l	98
15) Acrylonitrile	5.43	53	89878	241.540	ug/l	98
16) Acetone	4.17	43	85438	194.258	ug/l	91
17) Carbon Disulfide	4.40	76	212685	40.234	ug/l	97
18) Methyl Acetate	4.73	43	45049	52.368	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	172382	45.778	ug/l	96
20) Methylene Chloride	4.96	84	90804	46.307	ug/l #	95
21) trans-1,2-Dichloroethene	5.47	96	87791	48.495	ug/l	91
22) Diisopropyl ether	6.37	45	256980	52.044	ug/l	98
23) Vinyl Acetate	6.31	43	720974	245.448	ug/l	98
24) 1,1-Dichloroethane	6.26	63	156699	51.522	ug/l	96
25) 2-Butanone	7.22	43	118271	226.907	ug/l	97
26) 2,2-Dichloropropane	7.21	77	132826	48.278	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	104942	51.215	ug/l	98
28) Bromochloromethane	7.56	49	61687	53.223	ug/l	94
29) Tetrahydrofuran	7.57	42	68484	225.104	ug/l	99
30) Chloroform	7.71	83	175094	53.005	ug/l	97
31) Cyclohexane	7.98	56	140057	56.192	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	150227	53.015	ug/l	97
36) 1,1-Dichloropropene	8.12	75	133629	53.964	ug/l	99
37) Ethyl Acetate	7.30	43	49981	50.365	ug/l	100
38) Carbon Tetrachloride	8.10	117	134999	53.949	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164479	54.021	ug/l	94
40) Benzene	8.36	78	381479	53.758	ug/l	99
41) Methacrylonitrile	7.53	41	26891	46.839	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	104564	50.940	ug/l	100
43) Isopropyl Acetate	8.46	43	93532	45.039	ug/l	99
44) Trichloroethene	9.11	130	110366	53.935	ug/l	98
45) 1,2-Dichloropropane	9.39	63	94871	54.620	ug/l	92
46) Dibromomethane	9.48	93	53357	53.940	ug/l	98
47) Bromodichloromethane	9.67	83	135267	53.113	ug/l #	98
48) Methyl methacrylate	9.46	41	46400	46.633	ug/l	100
49) 1,4-Dioxane	9.47	88	12549	929.389	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	262973	244.168	ug/l	98
52) Toluene	10.41	92	274110	56.269	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	131090	52.748	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	152588	53.339	ug/l	90
55) 1,1,2-Trichloroethane	10.80	97	74743	53.514	ug/l	89
56) Ethyl methacrylate	10.66	69	88639	50.115	ug/l	99
57) 1,3-Dichloropropane	10.95	76	130910	54.781	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	176869	232.642	ug/l	99
59) 2-Hexanone	10.99	43	192105	246.579	ug/l	99
60) Dibromochloromethane	11.14	129	99213	54.562	ug/l	99
61) 1,2-Dibromoethane	11.25	107	72498	53.542	ug/l	100
64) Tetrachloroethene	10.88	164	98813	51.576	ug/l	97
65) Chlorobenzene	11.67	112	308118	54.669	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	111267	53.578	ug/l	99
67) Ethyl Benzene	11.74	91	558372	54.943	ug/l	98
68) m/p-Xylenes	11.86	106	443973	113.182	ug/l	97
69) o-Xylene	12.18	106	203925	54.292	ug/l	95
70) Styrene	12.20	104	356800	56.113	ug/l	99
71) Bromoform	12.37	173	59932	53.773	ug/l #	97
73) Isopropylbenzene	12.48	105	554890	52.337	ug/l	98
74) N-amyl acetate	12.29	43	99994	43.805	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	87619	47.491	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	48260m	45.687	ug/l	
77) Bromobenzene	12.77	156	134168	50.793	ug/l	96
78) n-propylbenzene	12.83	91	656773	52.775	ug/l	99
79) 2-Chlorotoluene	12.91	91	354102	51.603	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	473349	53.514	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	26248	43.972	ug/l	97
82) 4-Chlorotoluene	13.01	91	369235	50.723	ug/l	97
83) tert-Butylbenzene	13.23	119	407444	51.758	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	479402	52.573	ug/l	99
85) sec-Butylbenzene	13.41	105	577602	54.332	ug/l	99
86) p-Isopropyltoluene	13.52	119	559556	55.623	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	279712	53.592	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	270803	52.593	ug/l	99
89) n-Butylbenzene	13.85	91	508634	54.319	ug/l	99
90) Hexachloroethane	14.11	117	98682	54.541	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	238245	52.968	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12397	42.898	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	179850	51.821	ug/l	99
94) Hexachlorobutadiene	15.27	225	104447	54.536	ug/l	96
95) Naphthalene	15.41	128	290174	49.745	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	151042	50.441	ug/l	98

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

