

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100319\
 Data File : VD063875.D
 Acq On : 03 Oct 2019 14:53
 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
 10/4/2019 4:31:25 PM

Quant Time: Oct 04 01:46:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:49:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	204462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	325870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	321311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	175710	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	98437	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
35) Dibromofluoromethane	7.92	113	98411	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	10.34	98	403498	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.63	95	136039	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	63458	43.764	ug/l	93
3) Chloromethane	2.21	50	205092	52.590	ug/l	94
4) Vinyl Chloride	2.35	62	224122	47.824	ug/l	98
5) Bromomethane	2.77	94	131569	43.669	ug/l	91
6) Chloroethane	2.93	64	143815	46.403	ug/l	94
7) Trichlorofluoromethane	3.27	101	289409	46.708	ug/l	98
8) Diethyl Ether	3.70	74	45804	46.056	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	82353	48.015	ug/l	98
10) Methyl Iodide	4.29	142	115611	48.918	ug/l	100
11) Tert butyl alcohol	5.25	59	28944	207.949	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	84197	49.136	ug/l	91
13) Acrolein	3.93	56	40661	228.705	ug/l	100
14) Allyl chloride	4.71	41	130504	45.808	ug/l	97
15) Acrylonitrile	5.43	53	98888	225.530	ug/l	98
16) Acetone	4.16	43	115559	222.975	ug/l	91
17) Carbon Disulfide	4.40	76	294732	47.316	ug/l #	94
18) Methyl Acetate	4.72	43	46773	46.143	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	208726	47.039	ug/l	98
20) Methylene Chloride	4.96	84	113883	49.493	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	103182	48.370	ug/l	89
22) Diisopropyl ether	6.37	45	287299	49.378	ug/l	97
23) Vinyl Acetate	6.31	43	836452	241.660	ug/l	99
24) 1,1-Dichloroethane	6.27	63	176563	49.266	ug/l #	91
25) 2-Butanone	7.22	43	141672	230.664	ug/l	95
26) 2,2-Dichloropropane	7.21	77	157694	48.642	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	118039	48.888	ug/l	98
28) Bromochloromethane	7.55	49	74954	54.823	ug/l	98
29) Tetrahydrofuran	7.57	42	78605	219.265	ug/l	99
30) Chloroform	7.71	83	186260	47.851	ug/l	86
31) Cyclohexane	7.98	56	156140	52.929	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	166866	49.974	ug/l	97
36) 1,1-Dichloropropene	8.11	75	141220	47.397	ug/l	99
37) Ethyl Acetate	7.30	43	57467	47.935	ug/l	98
38) Carbon Tetrachloride	8.10	117	146123	48.531	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	180080	49.156	ug/l	90
40) Benzene	8.35	78	425145	49.792	ug/l	98
41) Methacrylonitrile	7.54	41	35113m	50.830	ug/l	
42) 1,2-Dichloroethane	8.43	62	121016	48.997	ug/l	99
43) Isopropyl Acetate	8.46	43	112442	45.000	ug/l	99
44) Trichloroethene	9.11	130	121648	49.408	ug/l	100
45) 1,2-Dichloropropane	9.39	63	101848	48.733	ug/l	95
46) Dibromomethane	9.48	93	57395	48.222	ug/l	98
47) Bromodichloromethane	9.67	83	149522	48.794	ug/l	99
48) Methyl methacrylate	9.46	41	50548	42.221	ug/l	98
49) 1,4-Dioxane	9.47	88	15591	959.654	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	293558	226.529	ug/l	98
52) Toluene	10.40	92	285474	48.704	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	146240	48.905	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	173411	50.379	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	80189	47.716	ug/l	91
56) Ethyl methacrylate	10.66	69	100861	47.393	ug/l	98
57) 1,3-Dichloropropane	10.95	76	135603	47.161	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	209109	228.592	ug/l	99
59) 2-Hexanone	10.98	43	212713	226.915	ug/l	99
60) Dibromochloromethane	11.14	129	107825	49.282	ug/l	97
61) 1,2-Dibromoethane	11.25	107	82902	50.884	ug/l	96
64) Tetrachloroethene	10.87	164	107780	49.136	ug/l	95
65) Chlorobenzene	11.67	112	327888	50.813	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	119586	50.295	ug/l	98
67) Ethyl Benzene	11.74	91	586644	50.418	ug/l	95
68) m/p-Xylenes	11.85	106	466107	103.784	ug/l	98
69) o-Xylene	12.18	106	211894	49.273	ug/l	98
70) Styrene	12.20	104	370565	50.902	ug/l	99
71) Bromoform	12.36	173	63809	50.005	ug/l #	98
73) Isopropylbenzene	12.48	105	584630	49.494	ug/l	99
74) N-amyl acetate	12.29	43	113600	44.669	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	87685	42.660	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	67955m	57.743	ug/l	
77) Bromobenzene	12.76	156	142751	48.507	ug/l	96
78) n-propylbenzene	12.82	91	676666	48.804	ug/l	99
79) 2-Chlorotoluene	12.91	91	372860	48.771	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	488074	49.528	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	29785	44.787	ug/l	99
82) 4-Chlorotoluene	13.00	91	389489	48.026	ug/l	99
83) tert-Butylbenzene	13.23	119	428006	48.802	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	487850	48.020	ug/l	99
85) sec-Butylbenzene	13.40	105	584800	49.375	ug/l	99
86) p-Isopropyltoluene	13.51	119	559368	49.910	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	286227	49.223	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	278214	48.498	ug/l	99
89) n-Butylbenzene	13.84	91	522196	50.055	ug/l	99
90) Hexachloroethane	14.11	117	102058	50.630	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	245752	49.041	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13815	42.910	ug/l	83

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93) 1,2,4-Trichlorobenzene	15.16	180	190761	49.335	ug/l	99
94) Hexachlorobutadiene	15.27	225	102891	48.221	ug/l	94
95) Naphthalene	15.40	128	321151	49.416	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	161830	48.509	ug/l	98

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

