

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063569.D
 Acq On : 14 Aug 2019 12:05
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 14 13:25:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	916934	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	1421234	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1306563	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	642344	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	592202	60.42	ug/l	-0.01
Spiked Amount			Recovery	=	120.84%	
35) Dibromofluoromethane	6.94	113	645422	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
50) Toluene-d8	10.41	98	1426915	54.22	ug/l	-0.01
Spiked Amount			Recovery	=	108.44%	
62) 4-Bromofluorobenzene	13.56	95	630354	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	444540	40.073	ug/l	98
3) Chloromethane	1.75	50	437033	50.423	ug/l #	88
4) Vinyl Chloride	1.85	62	382114	44.410	ug/l	96
5) Bromomethane	2.15	94	226850	55.876	ug/l	96
6) Chloroethane	2.27	64	208264	52.931	ug/l	98
7) Trichlorofluoromethane	2.54	101	802153	47.529	ug/l	98
8) Diethyl Ether	2.87	74	141468	59.369	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.15	101	493798	49.551	ug/l	97
10) Methyl Iodide	3.30	142	795588	56.424	ug/l	98
11) Tert butyl alcohol	4.07	59	141065	330.618	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	367203	49.560	ug/l	95
13) Acrolein	3.04	56	105353	250.853	ug/l	90
14) Allyl chloride	3.62	41	606301	54.435	ug/l	98
15) Acrylonitrile	4.20	53	388102	343.408	ug/l	91
16) Acetone	3.23	43	452109	226.915	ug/l #	91
17) Carbon Disulfide	3.37	76	1104126	47.218	ug/l	95
18) Methyl Acetate	3.65	43	241764	64.062	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	969116	65.403	ug/l	98
20) Methylene Chloride	3.82	84	448698	52.081	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	441136	56.579	ug/l	99
22) Diisopropyl ether	5.13	45	1404477	61.107	ug/l	98
23) Vinyl Acetate	5.07	43	4024436	301.189	ug/l	100
24) 1,1-Dichloroethane	4.99	63	824320	57.825	ug/l	100
25) 2-Butanone	6.08	43	587196	298.405	ug/l	94
26) 2,2-Dichloropropane	6.03	77	611201	43.046	ug/l	92
27) cis-1,2-Dichloroethene	6.04	96	498967	58.492	ug/l	98
28) Bromochloromethane	6.44	49	348407	60.304	ug/l	97
29) Tetrahydrofuran	6.46	42	288060	314.155	ug/l	96
30) Chloroform	6.67	83	1014272	57.242	ug/l	98
31) Cyclohexane	6.97	56	392885	44.395	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	875067	51.627	ug/l	99
36) 1,1-Dichloropropene	7.15	75	629056	50.068	ug/l	99
37) Ethyl Acetate	6.19	43	292893	55.633	ug/l	99
38) Carbon Tetrachloride	7.11	117	959948	50.696	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	469171	43.915	ug/l	96
40) Benzene	7.46	78	1396917	50.523	ug/l	96
41) Methacrylonitrile	6.45	41	383011	57.779	ug/l #	96
42) 1,2-Dichloroethane	7.59	62	766997	55.169	ug/l	99
43) Isopropyl Acetate	9.25	43	391324	55.498	ug/l	98
44) Trichloroethene	8.55	130	542991	51.380	ug/l	95
45) 1,2-Dichloropropane	8.94	63	365784	56.809	ug/l	95
46) Dibromomethane	9.07	93	308242	56.058	ug/l	96
47) Bromodichloromethane	9.38	83	791911	56.146	ug/l	99
48) Methyl methacrylate	9.13	41	279261	58.399	ug/l	98
49) 1,4-Dioxane	9.09	88	46553	1087.955	ug/l #	64
51) 4-Methyl-2-Pentanone	10.30	43	1473654	305.427	ug/l	95
52) Toluene	10.51	92	886772	49.795	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	630480	54.774	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	694245	53.489	ug/l	92
55) 1,1,2-Trichloroethane	11.20	97	335232	55.727	ug/l	98
56) Ethyl methacrylate	11.05	69	388095	59.439	ug/l	99
57) 1,3-Dichloropropane	11.42	76	518144	56.982	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.86	63	1011927	293.561	ug/l	94
59) 2-Hexanone	11.53	43	1007510	286.980	ug/l	98
60) Dibromochloromethane	11.69	129	641570	58.610	ug/l	99
61) 1,2-Dibromoethane	11.81	107	423971	58.218	ug/l	96
64) Tetrachloroethene	11.27	164	495520	49.128	ug/l	98
65) Chlorobenzene	12.40	112	1156735	47.237	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	537946	49.916	ug/l	92
67) Ethyl Benzene	12.53	91	1888993	44.365	ug/l	99
68) m/p-Xylenes	12.68	106	1372639	91.758	ug/l	99
69) o-Xylene	13.05	106	695448	48.303	ug/l	96
70) Styrene	13.08	104	1246057	48.654	ug/l	97
71) Bromoform	13.24	173	408082	55.222	ug/l	99
73) Isopropylbenzene	13.40	105	1961319	48.005	ug/l	97
74) N-amyl acetate	13.27	43	573074	55.875	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	361069	53.244	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	382290	51.857	ug/l	98
77) Bromobenzene	13.67	156	551817	49.418	ug/l	99
78) n-propylbenzene	13.78	91	2273998	47.569	ug/l	98
79) 2-Chlorotoluene	13.85	91	1331276	48.300	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	1637505	45.871	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	95294	48.094	ug/l	94
82) 4-Chlorotoluene	13.95	91	1571579	47.417	ug/l	97
83) tert-Butylbenzene	14.19	119	1920816	51.097	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1667470	50.483	ug/l	93
85) sec-Butylbenzene	14.37	105	1972735	49.416	ug/l	98
86) p-Isopropyltoluene	14.50	119	1729136	45.300	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	957391	47.401	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	965580	49.829	ug/l	97
89) n-Butylbenzene	14.80	91	1587366	45.565	ug/l	96
90) Hexachloroethane	15.01	117	496380	51.738	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	914932	53.392	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	72282	56.607	ug/l	90

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93) 1,2,4-Trichlorobenzene	15.94	180	680607	53.977	ug/l	97
94) Hexachlorobutadiene	16.04	225	461081	47.979	ug/l	96
95) Naphthalene	16.12	128	971854	50.857	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	561957	55.178	ug/l	98

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

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