

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050219\
 Data File : VD062108.D
 Acq On : 2 May 2019 13:15
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 03 01:15:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	566787	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	825847	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	734160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	345117	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	241665	54.48	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.96%	
35) Dibromofluoromethane	6.91	113	342918	60.04	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	120.08%	
50) Toluene-d8	10.40	98	826235	60.79	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	121.58%	
62) 4-Bromofluorobenzene	13.55	95	302114	55.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	230227	45.490	ug/l	98
3) Chloromethane	1.75	50	169490	39.403	ug/l	94
4) Vinyl Chloride	1.84	62	177608	45.556	ug/l	96
5) Bromomethane	2.14	94	51585	50.380	ug/l	95
6) Chloroethane	2.26	64	74480	52.849	ug/l	97
7) Trichlorofluoromethane	2.52	101	320102	54.302	ug/l	99
8) Diethyl Ether	2.86	74	72919	46.154	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.13	101	279126	51.402	ug/l	94
10) Methyl Iodide	3.29	142	381428	46.528	ug/l	99
11) Tert butyl alcohol	4.04	59	66850	266.721	ug/l	98
12) 1,1-Dichloroethene	3.11	96	221105	47.859	ug/l	99
13) Acrolein	3.02	56	55570	213.689	ug/l	97
14) Allyl chloride	3.61	41	334219	52.979	ug/l	97
15) Acrylonitrile	4.18	53	204014	262.869	ug/l	95
16) Acetone	3.20	43	306378	289.259	ug/l	97
17) Carbon Disulfide	3.36	76	673614	50.457	ug/l	100
18) Methyl Acetate	3.62	43	105973	55.402	ug/l	95
19) Methyl tert-butyl Ether	4.22	73	452290	49.342	ug/l	96
20) Methylene Chloride	3.80	84	263690	51.216	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	258767	48.825	ug/l	100
22) Diisopropyl ether	5.09	45	774988	52.618	ug/l	95
23) Vinyl Acetate	5.03	43	2167005	282.524	ug/l	99
24) 1,1-Dichloroethane	4.97	63	434571	48.817	ug/l	99
25) 2-Butanone	6.05	43	363490	283.052	ug/l	97
26) 2,2-Dichloropropane	6.01	77	419621	54.032	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	313090	51.929	ug/l	99
28) Bromochloromethane	6.42	49	177945	52.242	ug/l	100
29) Tetrahydrofuran	6.43	42	154623	244.367	ug/l	99
30) Chloroform	6.65	83	499104	49.361	ug/l	100
31) Cyclohexane	6.94	56	336530	50.931	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	457601	52.014	ug/l	100
36) 1,1-Dichloropropene	7.13	75	350451	54.467	ug/l	98
37) Ethyl Acetate	6.17	43	152471	55.609	ug/l	95
38) Carbon Tetrachloride	7.10	117	448889m	55.057	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	313151	49.329	ug/l	95
40) Benzene	7.45	78	864229	54.255	ug/l	99
41) Methacrylonitrile	6.43	41	183856	57.470	ug/l #	92
42) 1,2-Dichloroethane	7.56	62	302946	56.013	ug/l	99
43) Isopropyl Acetate	9.23	43	208851	52.132	ug/l	99
44) Trichloroethene	8.53	130	322712	52.257	ug/l	98
45) 1,2-Dichloropropane	8.92	63	225318	55.758	ug/l	96
46) Dibromomethane	9.05	93	155154	53.359	ug/l	90
47) Bromodichloromethane	9.37	83	382244	55.635	ug/l	100
48) Methyl methacrylate	9.11	41	122667	53.666	ug/l	99
49) 1,4-Dioxane	9.07	88	26862	1090.026	ug/l #	84
51) 4-Methyl-2-Pentanone	10.29	43	660638	269.643	ug/l	100
52) Toluene	10.50	92	477239	46.988	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	347200	60.205	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	399260	56.922	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	185596	54.430	ug/l	98
56) Ethyl methacrylate	11.03	69	204277	54.092	ug/l	97
57) 1,3-Dichloropropane	11.39	76	272116	51.671	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	471610	268.604	ug/l	97
59) 2-Hexanone	11.52	43	519221	282.510	ug/l	97
60) Dibromochloromethane	11.68	129	303277	53.754	ug/l	98
61) 1,2-Dibromoethane	11.80	107	227268	56.187	ug/l	100
64) Tetrachloroethene	11.25	164	248638	47.476	ug/l	98
65) Chlorobenzene	12.39	112	669976	48.294	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	282953	48.083	ug/l	98
67) Ethyl Benzene	12.52	91	1066978	47.121	ug/l	99
68) m/p-Xylenes	12.66	106	790201	96.556	ug/l	98
69) o-Xylene	13.05	106	367807	49.119	ug/l	96
70) Styrene	13.07	104	633276	48.979	ug/l	100
71) Bromoform	13.22	173	176352	52.565	ug/l	97
73) Isopropylbenzene	13.40	105	1058530	45.980	ug/l	98
74) N-amyl acetate	13.26	43	287497	48.491	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	210467	46.652	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	206283	47.070	ug/l	100
77) Bromobenzene	13.67	156	310797	47.061	ug/l	97
78) n-propylbenzene	13.77	91	1208943	45.873	ug/l	97
79) 2-Chlorotoluene	13.84	91	745515	46.702	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	846836	46.132	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	58543	44.082	ug/l	99
82) 4-Chlorotoluene	13.94	91	800964	45.561	ug/l	95
83) tert-Butylbenzene	14.19	119	905642	42.588	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	889198	50.731	ug/l	96
85) sec-Butylbenzene	14.37	105	1068366	46.497	ug/l	97
86) p-Isopropyltoluene	14.48	119	940798	45.750	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	504760	43.645	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	526934	48.720	ug/l	96
89) n-Butylbenzene	14.79	91	890899	48.256	ug/l	95
90) Hexachloroethane	15.01	117	279641	50.290	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	469122	49.175	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	32061	48.201	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	285905	55.544	ug/l	94
94) Hexachlorobutadiene	16.03	225	201277	52.840	ug/l	98
95) Naphthalene	16.12	128	429322	51.657	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	169529	58.047	ug/l	95

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

