

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062946.D
 Acq On : 27 Jun 2019 21:55
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 28 05:10:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	689322	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	960380	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	792530	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	469520	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	413788	55.22	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	110.44%	
35) Dibromofluoromethane	6.90	113	399529	49.34	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	10.38	98	864272	49.04	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	13.54	95	425858	53.14	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	452218	50.697	ug/l	99
3) Chloromethane	1.75	50	323689	48.251	ug/l	96
4) Vinyl Chloride	1.83	62	340737	51.228	ug/l	98
5) Bromomethane	2.13	94	142730	45.821	ug/l	98
6) Chloroethane	2.25	64	173173	57.507	ug/l	100
7) Trichlorofluoromethane	2.51	101	758199	56.325	ug/l	98
8) Diethyl Ether	2.85	74	107669	62.952	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.12	101	377861	51.814	ug/l #	88
10) Methyl Iodide	3.28	142	496471	51.603	ug/l	93
11) Tert butyl alcohol	4.05	59	109397	320.570	ug/l #	88
12) 1,1-Dichloroethene	3.10	96	264941	48.429	ug/l	85
13) Acrolein	3.01	56	87672	251.653	ug/l	93
14) Allyl chloride	3.59	41	446421	55.226	ug/l	89
15) Acrylonitrile	4.17	53	238865	297.887	ug/l	95
16) Acetone	3.20	43	473359	313.298	ug/l	99
17) Carbon Disulfide	3.34	76	839199	47.998	ug/l	98
18) Methyl Acetate	3.62	43	163269	72.182	ug/l	97
19) Methyl tert-butyl Ether	4.21	73	680200	57.435	ug/l	99
20) Methylene Chloride	3.79	84	315346	55.185	ug/l	93
21) trans-1,2-Dichloroethene	4.18	96	317854	54.567	ug/l	92
22) Diisopropyl ether	5.09	45	953731	58.016	ug/l	98
23) Vinyl Acetate	5.03	43	2988432	290.515	ug/l	98
24) 1,1-Dichloroethane	4.95	63	609366	56.933	ug/l	98
25) 2-Butanone	6.04	43	451172	321.947	ug/l	94
26) 2,2-Dichloropropane	5.99	77	608096	53.601	ug/l	92
27) cis-1,2-Dichloroethene	6.00	96	357298	58.003	ug/l	93
28) Bromochloromethane	6.41	49	220030	58.369	ug/l	99
29) Tetrahydrofuran	6.43	42	208471	314.412	ug/l	98
30) Chloroform	6.63	83	780858	59.989	ug/l	97
31) Cyclohexane	6.92	56	351122	49.902	ug/l	96
32) 1,1,1-Trichloroethane	6.84	97	792286	58.438	ug/l	94
36) 1,1-Dichloropropene	7.12	75	498529	54.836	ug/l	94
37) Ethyl Acetate	6.16	43	225079	59.138	ug/l	97
38) Carbon Tetrachloride	7.08	117	751967m	54.996	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	395684	49.445	ug/l	95
40) Benzene	7.43	78	1017317	55.746	ug/l	99
41) Methacrylonitrile	6.43	41	284071	59.250	ug/l #	90
42) 1,2-Dichloroethane	7.55	62	643209	64.609	ug/l	98
43) Isopropyl Acetate	9.22	43	303717	63.722	ug/l	93
44) Trichloroethene	8.51	130	382510	53.465	ug/l	97
45) 1,2-Dichloropropane	8.92	63	243792	53.725	ug/l	99
46) Dibromomethane	9.03	93	240749	61.762	ug/l	96
47) Bromodichloromethane	9.35	83	632276	62.456	ug/l	99
48) Methyl methacrylate	9.10	41	205751	60.746	ug/l	92
49) 1,4-Dioxane	9.06	88	38541	1367.708	ug/l #	78
51) 4-Methyl-2-Pentanone	10.29	43	1077964	318.993	ug/l	99
52) Toluene	10.49	92	665970	54.289	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	506697	61.151	ug/l	91
54) cis-1,3-Dichloropropene	10.02	75	473890	52.618	ug/l	95
55) 1,1,2-Trichloroethane	11.17	97	240731	57.119	ug/l	96
56) Ethyl methacrylate	11.02	69	261357	58.028	ug/l	93
57) 1,3-Dichloropropane	11.39	76	396174	61.393	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.83	63	706861	305.698	ug/l	95
59) 2-Hexanone	11.52	43	812042	337.412	ug/l	97
60) Dibromochloromethane	11.66	129	494194	62.954	ug/l	98
61) 1,2-Dibromoethane	11.79	107	312338	62.749	ug/l	96
64) Tetrachloroethene	11.24	164	434490	66.612	ug/l	95
65) Chlorobenzene	12.38	112	850325	57.812	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	442348	64.308	ug/l	94
67) Ethyl Benzene	12.51	91	1599335	60.564	ug/l	100
68) m/p-Xylenes	12.66	106	1117910	121.545	ug/l	99
69) o-Xylene	13.03	106	538793	64.082	ug/l	96
70) Styrene	13.06	104	901015	61.011	ug/l	93
71) Bromoform	13.22	173	307360	65.218	ug/l	99
73) Isopropylbenzene	13.40	105	1662356	55.219	ug/l	100
74) N-amyl acetate	13.26	43	448583	61.358	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	290178	59.159	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	336296	62.044	ug/l	95
77) Bromobenzene	13.66	156	452708	55.909	ug/l	93
78) n-propylbenzene	13.76	91	1874048	53.484	ug/l	93
79) 2-Chlorotoluene	13.83	91	1142071	57.035	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1412155	55.845	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	79308	55.828	ug/l	94
82) 4-Chlorotoluene	13.94	91	1378398	57.178	ug/l	99
83) tert-Butylbenzene	14.18	119	1411061	50.062	ug/l	100
84) 1,2,4-Trimethylbenzene	14.22	105	1490071	57.492	ug/l	97
85) sec-Butylbenzene	14.36	105	1616908	52.781	ug/l	97
86) p-Isopropyltoluene	14.48	119	1432621	51.118	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	745500	51.361	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	806672	55.332	ug/l	98
89) n-Butylbenzene	14.78	91	1340242	51.094	ug/l	99
90) Hexachloroethane	15.00	117	417206	55.367	ug/l	97
91) 1,2-Dichlorobenzene	14.79	146	690392	55.593	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.37	75	59441	62.088	ug/l #	48

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	539574	55.620	ug/l	96
94) Hexachlorobutadiene	16.02	225	393950	53.156	ug/l	98
95) Naphthalene	16.11	128	773845	56.913	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	452499	60.708	ug/l	97

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

