

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042919\
 Data File : VD062060.D
 Acq On : 29 Apr 2019 13:43
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/1/2019 9:27:55 AM

Quant Time: Apr 30 01:19:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	577766	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.18	114	998801	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.35	117	742150	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	352525	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.42	65	255422	56.49	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	112.98%	
35) Dibromofluoromethane	6.89	113	366063	52.99	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	105.98%	
50) Toluene-d8	10.38	98	794044	48.31	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	96.62%	
62) 4-Bromofluorobenzene	13.54	95	336627	51.06	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	263324	51.041	ug/l	99
3) Chloromethane	1.74	50	195929	44.684	ug/l	95
4) Vinyl Chloride	1.83	62	186643	46.963	ug/l	100
5) Bromomethane	2.14	94	66890	69.668	ug/l	94
6) Chloroethane	2.26	64	77234	53.762	ug/l	98
7) Trichlorofluoromethane	2.51	101	345275	57.460	ug/l	99
8) Diethyl Ether	2.85	74	82696	51.348	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.13	101	280016	50.586	ug/l	99
10) Methyl Iodide	3.28	142	393453	47.018	ug/l	97
11) Tert butyl alcohol	4.02	59	65617	256.827	ug/l	98
12) 1,1-Dichloroethene	3.11	96	220143	46.745	ug/l	91
13) Acrolein	3.02	56	69863	263.546	ug/l	97
14) Allyl chloride	3.60	41	306411	47.648	ug/l	95
15) Acrylonitrile	4.16	53	188999	238.895	ug/l	95
16) Acetone	3.19	43	286249	265.119	ug/l	94
17) Carbon Disulfide	3.35	76	652724	47.963	ug/l	100
18) Methyl Acetate	3.61	43	96197	49.088	ug/l	95
19) Methyl tert-butyl Ether	4.21	73	435235	46.579	ug/l	96
20) Methylene Chloride	3.78	84	257217	48.863	ug/l	99
21) trans-1,2-Dichloroethene	4.20	96	248114	45.925	ug/l	96
22) Diisopropyl ether	5.08	45	716715	47.737	ug/l	98
23) Vinyl Acetate	5.01	43	1980618	253.317	ug/l	99
24) 1,1-Dichloroethane	4.95	63	437163	48.175	ug/l	100
25) 2-Butanone	6.03	43	343358	262.294	ug/l	96
26) 2,2-Dichloropropane	5.99	77	419646	53.008	ug/l	97
27) cis-1,2-Dichloroethene	6.01	96	306259	49.830	ug/l	94
28) Bromochloromethane	6.40	49	191325	55.103	ug/l	93
29) Tetrahydrofuran	6.42	42	157350	243.951	ug/l	97
30) Chloroform	6.63	83	545539	52.928	ug/l	97
31) Cyclohexane	6.92	56	341882	50.757	ug/l	97
32) 1,1,1-Trichloroethane	6.84	97	481498	53.690	ug/l	98
36) 1,1-Dichloropropene	7.12	75	379777	48.804	ug/l	97
37) Ethyl Acetate	6.15	43	144630	43.615	ug/l	96
38) Carbon Tetrachloride	7.08	117	480309m	48.709	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	374055	48.720	ug/l	98
40) Benzene	7.43	78	897799	46.603	ug/l	98
41) Methacrylonitrile	6.41	41	188843	48.807	ug/l	95
42) 1,2-Dichloroethane	7.54	62	326530	49.919	ug/l	97
43) Isopropyl Acetate	9.21	43	229479	47.362	ug/l #	97
44) Trichloroethene	8.51	130	340361	45.571	ug/l	94
45) 1,2-Dichloropropane	8.90	63	228618	46.778	ug/l	97
46) Dibromomethane	9.03	93	168362	47.875	ug/l	99
47) Bromodichloromethane	9.35	83	390660	47.014	ug/l	95
48) Methyl methacrylate	9.09	41	125774	45.497	ug/l	92
49) 1,4-Dioxane	9.05	88	28295	949.355	ug/l	97
51) 4-Methyl-2-Pentanone	10.27	43	693837	234.155	ug/l	99
52) Toluene	10.49	92	551573	44.903	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	351077	50.335	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	392106	46.222	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	192252	46.619	ug/l	96
56) Ethyl methacrylate	11.02	69	206309	45.170	ug/l	99
57) 1,3-Dichloropropane	11.38	76	287048	45.068	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	507635	239.057	ug/l	95
59) 2-Hexanone	11.51	43	508748	228.879	ug/l	97
60) Dibromochloromethane	11.66	129	341311	50.020	ug/l	96
61) 1,2-Dibromoethane	11.79	107	236453	48.335	ug/l	96
64) Tetrachloroethene	11.24	164	271413	51.266	ug/l	99
65) Chlorobenzene	12.38	112	659771	47.046	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	297187	49.959	ug/l	97
67) Ethyl Benzene	12.51	91	1063712	46.471	ug/l	99
68) m/p-Xylenes	12.65	106	840303	101.572	ug/l	97
69) o-Xylene	13.04	106	394122	52.067	ug/l	97
70) Styrene	13.06	104	633975	48.505	ug/l	100
71) Bromoform	13.21	173	187878	55.398	ug/l	98
73) Isopropylbenzene	13.39	105	1071879	45.581	ug/l	98
74) N-amyl acetate	13.25	43	289029	47.725	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	228385	49.560	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	223513	49.930	ug/l	98
77) Bromobenzene	13.66	156	328330	48.671	ug/l	100
78) n-propylbenzene	13.76	91	1288976	47.882	ug/l	97
79) 2-Chlorotoluene	13.83	91	752889	46.173	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	908208	48.436	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	68568	50.545	ug/l	99
82) 4-Chlorotoluene	13.93	91	885494	49.311	ug/l	94
83) tert-Butylbenzene	14.18	119	1038487	47.809	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	877649	49.020	ug/l	100
85) sec-Butylbenzene	14.36	105	1145466	48.805	ug/l	97
86) p-Isopropyltoluene	14.47	119	1044679	49.734	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	574269	48.612	ug/l	98
88) 1,4-Dichlorobenzene	14.52	146	558289	50.534	ug/l	98
89) n-Butylbenzene	14.79	91	935591	49.612	ug/l	98
90) Hexachloroethane	15.00	117	296195	52.147	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	482025	49.465	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	32905	48.418	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	268666	51.098	ug/l	96
94) Hexachlorobutadiene	16.03	225	191297	49.164	ug/l	99
95) Naphthalene	16.11	128	352941	41.574	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	145083	48.633	ug/l	97

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

