

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062718.D
 Acq On : 17 Jun 2019 11:02
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 12:34:24 AM

Quant Time: Jun 18 06:30:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	817390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1092348	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	863893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	493235	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	561060	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
35) Dibromofluoromethane	6.92	113	569528	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	10.41	98	1268897	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	13.55	95	562450	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	413267	43.135	ug/l	100
3) Chloromethane	1.75	50	369134	45.641	ug/l	97
4) Vinyl Chloride	1.85	62	391985	47.001	ug/l #	86
5) Bromomethane	2.15	94	180265	42.821	ug/l	90
6) Chloroethane	2.27	64	209782	50.948	ug/l	93
7) Trichlorofluoromethane	2.53	101	905851	48.527	ug/l	97
8) Diethyl Ether	2.87	74	117331	46.214	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	500987	49.765	ug/l	91
10) Methyl Iodide	3.30	142	650061	44.925	ug/l	91
11) Tert butyl alcohol	4.07	59	107306	221.328	ug/l #	89
12) 1,1-Dichloroethene	3.13	96	353053	48.868	ug/l	94
13) Acrolein	3.04	56	33432	214.370	ug/l	93
14) Allyl chloride	3.61	41	565052	50.867	ug/l	92
15) Acrylonitrile	4.19	53	281040	255.090	ug/l	94
16) Acetone	3.22	43	644922	298.599	ug/l	94
17) Carbon Disulfide	3.37	76	1063931	49.974	ug/l	99
18) Methyl Acetate	3.64	43	159322	44.886	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	850836	48.287	ug/l	98
20) Methylene Chloride	3.81	84	357264	43.725	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	392155	49.485	ug/l	92
22) Diisopropyl ether	5.12	45	1186262	51.430	ug/l	98
23) Vinyl Acetate	5.06	43	3753459	262.305	ug/l	98
24) 1,1-Dichloroethane	4.98	63	756210	50.963	ug/l	97
25) 2-Butanone	6.07	43	530387	251.715	ug/l	98
26) 2,2-Dichloropropane	6.02	77	899600	52.603	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	441599	51.402	ug/l	93
28) Bromochloromethane	6.43	49	271848	47.926	ug/l	94
29) Tetrahydrofuran	6.45	42	226034	238.209	ug/l	96
30) Chloroform	6.66	83	941695	49.464	ug/l	88
31) Cyclohexane	6.95	56	534196	57.390	ug/l	90
32) 1,1,1-Trichloroethane	6.87	97	1000705	52.824	ug/l	98
36) 1,1-Dichloropropene	7.14	75	620858	49.661	ug/l	98
37) Ethyl Acetate	6.19	43	269928	50.622	ug/l #	96
38) Carbon Tetrachloride	7.11	117	1023083m	51.774	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	558033	55.236	ug/l	93
40) Benzene	7.45	78	1278288	52.357	ug/l	98
41) Methacrylonitrile	6.44	41	315990	48.284	ug/l #	95
42) 1,2-Dichloroethane	7.58	62	692201	47.567	ug/l	98
43) Isopropyl Acetate	9.24	43	346573	52.539	ug/l #	98
44) Trichloroethene	8.54	130	506296	51.080	ug/l	96
45) 1,2-Dichloropropane	8.94	63	304735	51.963	ug/l	99
46) Dibromomethane	9.06	93	266703	51.234	ug/l	90
47) Bromodichloromethane	9.37	83	728047	51.414	ug/l	95
48) Methyl methacrylate	9.12	41	237557	49.848	ug/l	94
49) 1,4-Dioxane	9.08	88	40347	949.278	ug/l #	76
51) 4-Methyl-2-Pentanone	10.30	43	1218030	263.887	ug/l	100
52) Toluene	10.51	92	858196	52.293	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	625175	53.848	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	648004	54.003	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	281054	49.937	ug/l	93
56) Ethyl methacrylate	11.04	69	309205	45.944	ug/l	96
57) 1,3-Dichloropropane	11.41	76	425229	48.747	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	695938	231.355	ug/l	96
59) 2-Hexanone	11.53	43	894112	260.411	ug/l	98
60) Dibromochloromethane	11.68	129	574148	51.678	ug/l	97
61) 1,2-Dibromoethane	11.80	107	355192	52.731	ug/l	93
64) Tetrachloroethene	11.26	164	442603	54.730	ug/l	97
65) Chlorobenzene	12.40	112	1025244	53.653	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	492925	54.086	ug/l	99
67) Ethyl Benzene	12.52	91	1901304	56.118	ug/l	98
68) m/p-Xylenes	12.67	106	1324274	111.182	ug/l	98
69) o-Xylene	13.05	106	660255	60.358	ug/l	91
70) Styrene	13.07	104	1145435	58.686	ug/l	96
71) Bromoform	13.24	173	355292	50.772	ug/l	96
73) Isopropylbenzene	13.40	105	1941393	55.842	ug/l	97
74) N-amyl acetate	13.27	43	520269	55.373	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	324648	54.575	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	371173	55.500	ug/l	97
77) Bromobenzene	13.67	156	540605	54.405	ug/l	94
78) n-propylbenzene	13.78	91	2350810	55.241	ug/l	96
79) 2-Chlorotoluene	13.84	91	1326960	53.255	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1683821	54.802	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	99041	49.942	ug/l	93
82) 4-Chlorotoluene	13.95	91	1580901	53.054	ug/l	99
83) tert-Butylbenzene	14.19	119	1945764	57.416	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1627542	53.499	ug/l	97
85) sec-Butylbenzene	14.37	105	2029820	57.120	ug/l	98
86) p-Isopropyltoluene	14.49	119	1987726	57.451	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1018138	56.560	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	899944	52.900	ug/l	98
89) n-Butylbenzene	14.80	91	1738297	55.847	ug/l	95
90) Hexachloroethane	15.01	117	523532	57.317	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	816562	54.570	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	70892	55.792	ug/l #	41

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	620338	48.950	ug/l	97
94) Hexachlorobutadiene	16.03	225	468427	53.021	ug/l	97
95) Naphthalene	16.12	128	856987	48.031	ug/l	96
96) 1,2,3-Trichlorobenzene	16.27	180	467424	54.233	ug/l	99

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

