

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061465.D
 Acq On : 1 Apr 2019 13:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/2/2019 11:39:16 AM

Quant Time: Apr 02 01:24:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	739509	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.22	114	1286254	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	1008806	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	467023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	333302	52.76	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.52%	
35) Dibromofluoromethane	6.93	113	504045	51.28	ug/l	0.03
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.41	98	1183815	50.21	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	13.55	95	479906	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	396103	50.155	ug/l	100
3) Chloromethane	1.76	50	311141	48.307	ug/l	97
4) Vinyl Chloride	1.86	62	312298	52.807	ug/l	99
5) Bromomethane	2.16	94	57787	49.276	ug/l	98
6) Chloroethane	2.28	64	109212	62.973	ug/l	96
7) Trichlorofluoromethane	2.54	101	490669	57.057	ug/l	100
8) Diethyl Ether	2.88	74	143866	51.959	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.17	101	449007	48.566	ug/l	99
10) Methyl Iodide	3.32	142	664169	47.445	ug/l	99
11) Tert butyl alcohol	4.07	59	97670	248.263	ug/l	96
12) 1,1-Dichloroethene	3.14	96	372719	46.956	ug/l	98
13) Acrolein	3.04	56	75503	252.079	ug/l	96
14) Allyl chloride	3.63	41	566576	51.176	ug/l	97
15) Acrylonitrile	4.19	53	338541	247.931	ug/l	96
16) Acetone	3.23	43	471954	290.624	ug/l	100
17) Carbon Disulfide	3.38	76	1180156	45.761	ug/l	99
18) Methyl Acetate	3.65	43	162557	47.609	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	700719	50.998	ug/l	98
20) Methylene Chloride	3.83	84	461471	50.755	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	421446	49.178	ug/l	98
22) Diisopropyl ether	5.13	45	1165317	49.740	ug/l	99
23) Vinyl Acetate	5.07	43	3106023	244.067	ug/l	99
24) 1,1-Dichloroethane	4.99	63	710770	51.623	ug/l	99
25) 2-Butanone	6.07	43	527933	258.440	ug/l	99
26) 2,2-Dichloropropane	6.03	77	574236	52.465	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	467643	49.806	ug/l	95
28) Bromochloromethane	6.45	49	283480	51.005	ug/l #	93
29) Tetrahydrofuran	6.46	42	269018	271.703	ug/l	99
30) Chloroform	6.67	83	749575	52.688	ug/l	98
31) Cyclohexane	6.96	56	509020	46.783	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	679518	54.140	ug/l	96
36) 1,1-Dichloropropene	7.16	75	567274	50.532	ug/l	99
37) Ethyl Acetate	6.19	43	242989	50.611	ug/l	99
38) Carbon Tetrachloride	7.12	117	640356m	49.640	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	618767	52.923	ug/l	96
40) Benzene	7.46	78	1432881	50.858	ug/l	98
41) Methacrylonitrile	6.45	41	302798	53.939	ug/l #	97
42) 1,2-Dichloroethane	7.58	62	428630	50.860	ug/l	98
43) Isopropyl Acetate	9.24	43	371240	53.144	ug/l #	99
44) Trichloroethene	8.54	130	529946	50.543	ug/l	99
45) 1,2-Dichloropropane	8.95	63	379848	53.169	ug/l	97
46) Dibromomethane	9.07	93	251041	52.207	ug/l	95
47) Bromodichloromethane	9.38	83	573374	53.126	ug/l	98
48) Methyl methacrylate	9.12	41	207865	53.917	ug/l	98
49) 1,4-Dioxane	9.08	88	45197	1062.883	ug/l	92
51) 4-Methyl-2-Pentanone	10.31	43	1112583	261.787	ug/l	98
52) Toluene	10.51	92	877910	51.075	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	543460	55.423	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	613562	51.387	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	293653	48.851	ug/l	99
56) Ethyl methacrylate	11.04	69	298361	46.203	ug/l	95
57) 1,3-Dichloropropane	11.41	76	431383	48.825	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	763567	242.800	ug/l	95
59) 2-Hexanone	11.54	43	819821	266.243	ug/l	97
60) Dibromochloromethane	11.68	129	459577	49.593	ug/l	99
61) 1,2-Dibromoethane	11.80	107	336452	48.336	ug/l	96
64) Tetrachloroethene	11.26	164	382185	48.272	ug/l	98
65) Chlorobenzene	12.40	112	1065840	51.698	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	424757	53.211	ug/l	98
67) Ethyl Benzene	12.52	91	1644701	52.265	ug/l	98
68) m/p-Xylenes	12.67	106	1225584	102.814	ug/l	97
69) o-Xylene	13.05	106	546847	47.273	ug/l	100
70) Styrene	13.07	104	995264	49.356	ug/l	96
71) Bromoform	13.24	173	284500	56.223	ug/l	99
73) Isopropylbenzene	13.41	105	1643201	50.553	ug/l	99
74) N-amyl acetate	13.27	43	454377	50.181	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	315915	46.073	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	313736	46.505	ug/l	99
77) Bromobenzene	13.67	156	428683	44.487	ug/l	88
78) n-propylbenzene	13.78	91	1894465	47.626	ug/l	98
79) 2-Chlorotoluene	13.84	91	1072960	49.678	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1343437	53.269	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	114847	55.834	ug/l	96
82) 4-Chlorotoluene	13.95	91	1173174	49.955	ug/l	94
83) tert-Butylbenzene	14.19	119	1570169	49.819	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	1325356	48.542	ug/l	96
85) sec-Butylbenzene	14.37	105	1583096	47.281	ug/l	98
86) p-Isopropyltoluene	14.49	119	1438638	50.812	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	806880	49.448	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	799636	50.250	ug/l	98
89) n-Butylbenzene	14.80	91	1292736	49.746	ug/l	97
90) Hexachloroethane	15.01	117	411599	51.459	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	652895	48.779	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	40054	49.806	ug/l	60

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	285479	46.821	ug/l	96
94) Hexachlorobutadiene	16.03	225	224396	47.098	ug/l	96
95) Naphthalene	16.12	128	410770	44.199	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	117429	43.767	ug/l	97

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

