

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062644.D
 Acq On : 7 Jun 2019 17:07
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD060719

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 2:17:26 AM

Quant Time: Jun 08 00:17:51 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	7.05	168	759195	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1057024	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	912575	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	492669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	553779	50.55	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	6.93	113	565010	50.68	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.42	98	1184281	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	13.56	95	559818	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	376843	42.299	ug/l	97
3) Chloromethane	1.75	50	323803	43.105	ug/l	97
4) Vinyl Chloride	1.85	62	349925	45.174	ug/l	95
5) Bromomethane	2.16	94	195434	49.983	ug/l	96
6) Chloroethane	2.28	64	184785	48.318	ug/l	96
7) Trichlorofluoromethane	2.53	101	770637	44.448	ug/l	97
8) Diethyl Ether	2.88	74	100399	42.576	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.15	101	449487	48.071	ug/l	97
10) Methyl Iodide	3.31	142	587417	43.816	ug/l	96
11) Tert butyl alcohol	4.09	59	91735	203.715	ug/l #	85
12) 1,1-Dichloroethene	3.13	96	323978	48.281	ug/l	92
13) Acrolein	3.03	56	33708	232.708	ug/l	96
14) Allyl chloride	3.62	41	513174	49.738	ug/l	97
15) Acrylonitrile	4.21	53	255174	249.366	ug/l	99
16) Acetone	3.22	43	507609	253.038	ug/l	96
17) Carbon Disulfide	3.38	76	977700	49.444	ug/l	97
18) Methyl Acetate	3.64	43	133476	40.487	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	822477	50.256	ug/l	96
20) Methylene Chloride	3.82	84	354059	46.684	ug/l	94
21) trans-1,2-Dichloroethene	4.23	96	362102	49.195	ug/l	97
22) Diisopropyl ether	5.13	45	1091642	50.955	ug/l	96
23) Vinyl Acetate	5.06	43	3493356	262.841	ug/l	100
24) 1,1-Dichloroethane	4.99	63	690250	50.083	ug/l	98
25) 2-Butanone	6.08	43	494327	252.584	ug/l	98
26) 2,2-Dichloropropane	6.04	77	760786	47.896	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	392414	49.178	ug/l	98
28) Bromochloromethane	6.44	49	300293	56.999	ug/l	92
29) Tetrahydrofuran	6.47	42	214065	242.888	ug/l	100
30) Chloroform	6.67	83	877450	49.622	ug/l	96
31) Cyclohexane	6.96	56	434473	50.255	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	904546	51.409	ug/l	98
36) 1,1-Dichloropropene	7.15	75	589955	48.766	ug/l	99
37) Ethyl Acetate	6.18	43	237536	46.145	ug/l #	94
38) Carbon Tetrachloride	7.12	117	914724m	47.838	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	487802	49.898	ug/l	95
40) Benzene	7.46	78	1129468	47.807	ug/l	99
41) Methacrylonitrile	6.46	41	295091	46.597	ug/l	93
42) 1,2-Dichloroethane	7.58	62	684315	48.596	ug/l	97
43) Isopropyl Acetate	9.25	43	305153	47.806	ug/l #	94
44) Trichloroethene	8.55	130	458580	47.812	ug/l	99
45) 1,2-Dichloropropane	8.94	63	296430	52.236	ug/l	98
46) Dibromomethane	9.07	93	239662	47.578	ug/l	92
47) Bromodichloromethane	9.38	83	669822	48.883	ug/l	99
48) Methyl methacrylate	9.13	41	213365	46.268	ug/l	97
49) 1,4-Dioxane	9.09	88	35660	871.135	ug/l	95
51) 4-Methyl-2-Pentanone	10.31	43	1082988	242.471	ug/l	100
52) Toluene	10.52	92	795003	50.061	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	582128	51.816	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	582765	50.189	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	266472	48.929	ug/l	98
56) Ethyl methacrylate	11.05	69	292278	44.971	ug/l	99
57) 1,3-Dichloropropane	11.41	76	418371	49.564	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.87	63	655244	225.106	ug/l	91
59) 2-Hexanone	11.54	43	789920	237.754	ug/l	98
60) Dibromochloromethane	11.69	129	514806	47.885	ug/l	97
61) 1,2-Dibromoethane	11.81	107	324899	49.845	ug/l	93
64) Tetrachloroethene	11.26	164	405227	47.435	ug/l	98
65) Chlorobenzene	12.41	112	961206	47.618	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	465963	48.400	ug/l	96
67) Ethyl Benzene	12.52	91	1768223	49.406	ug/l	98
68) m/p-Xylenes	12.67	106	1210190	96.184	ug/l	100
69) o-Xylene	13.06	106	587456	50.838	ug/l	88
70) Styrene	13.08	104	994157	48.218	ug/l	97
71) Bromoform	13.24	173	306565	41.990	ug/l	95
73) Isopropylbenzene	13.41	105	1861263	53.599	ug/l	96
74) N-amyl acetate	13.27	43	479440	51.086	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	273234	45.985	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	314923	47.143	ug/l	98
77) Bromobenzene	13.68	156	475673	47.926	ug/l	97
78) n-propylbenzene	13.77	91	2117334	49.812	ug/l	100
79) 2-Chlorotoluene	13.84	91	1213775	48.769	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1525931	49.720	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	93497	47.414	ug/l	88
82) 4-Chlorotoluene	13.95	91	1402817	47.132	ug/l	100
83) tert-Butylbenzene	14.20	119	1720195	50.818	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	1561112	51.375	ug/l	98
85) sec-Butylbenzene	14.37	105	1818708	51.238	ug/l	99
86) p-Isopropyltoluene	14.49	119	1757952	50.868	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	894252	49.735	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	845144	49.736	ug/l	98
89) n-Butylbenzene	14.80	91	1533388	49.320	ug/l	99
90) Hexachloroethane	15.01	117	450631	49.393	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	739478	49.475	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	59784	47.104	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	552537	44.036	ug/l	98
94) Hexachlorobutadiene	16.04	225	421927	47.813	ug/l	100
95) Naphthalene	16.13	128	760179	43.040	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	395219	45.908	ug/l	95

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

