

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
 Data File : VD062206.D
 Acq On : 10 May 2019 10:32
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 4:04:04 AM

Quant Time: May 10 23:41:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	863657	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1144021	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	922862	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	482839	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	403593	50.29	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	6.93	113	489789	51.60	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	10.41	98	1110888	48.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	13.56	95	451227	49.10	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	384809	46.586	ug/l	99
3) Chloromethane	1.75	50	234987	39.371	ug/l	99
4) Vinyl Chloride	1.85	62	268081	45.702	ug/l	99
5) Bromomethane	2.15	94	84225	61.279	ug/l	94
6) Chloroethane	2.27	64	124059	50.403	ug/l	98
7) Trichlorofluoromethane	2.53	101	591057	51.829	ug/l	95
8) Diethyl Ether	2.87	74	98256	44.675	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.15	101	407577	47.246	ug/l	98
10) Methyl Iodide	3.31	142	570141	43.729	ug/l	92
11) Tert butyl alcohol	4.05	59	97900	238.963	ug/l	96
12) 1,1-Dichloroethene	3.13	96	319527	48.522	ug/l	95
13) Acrolein	3.03	56	101647	239.880	ug/l	94
14) Allyl chloride	3.62	41	428794	44.783	ug/l	87
15) Acrylonitrile	4.19	53	234678	217.931	ug/l	92
16) Acetone	3.22	43	458681	272.513	ug/l #	89
17) Carbon Disulfide	3.37	76	919136	48.519	ug/l	99
18) Methyl Acetate	3.63	43	128721	42.716	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	642505	45.519	ug/l	95
20) Methylene Chloride	3.82	84	328194	46.699	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	341278	46.573	ug/l	96
22) Diisopropyl ether	5.12	45	961808	47.205	ug/l	93
23) Vinyl Acetate	5.06	43	2731641	254.102	ug/l	100
24) 1,1-Dichloroethane	4.98	63	577747	47.003	ug/l	99
25) 2-Butanone	6.06	43	453168	246.835	ug/l	99
26) 2,2-Dichloropropane	6.02	77	623871	50.954	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	393179	47.935	ug/l	95
28) Bromochloromethane	6.44	49	241334	49.904	ug/l	91
29) Tetrahydrofuran	6.46	42	189096	223.540	ug/l	97
30) Chloroform	6.66	83	701636	47.364	ug/l	97
31) Cyclohexane	6.96	56	411637	48.882	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	676788	48.337	ug/l	100
36) 1,1-Dichloropropene	7.14	75	481015	51.281	ug/l	97
37) Ethyl Acetate	6.18	43	192128	48.299	ug/l #	93
38) Carbon Tetrachloride	7.11	117	682749m	52.590	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	455093	50.639	ug/l	99
40) Benzene	7.46	78	1024903	48.388	ug/l	99
41) Methacrylonitrile	6.44	41	240259	49.424	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	462174	51.501	ug/l	92
43) Isopropyl Acetate	9.24	43	278738	49.408	ug/l	98
44) Trichloroethene	8.54	130	407042	50.432	ug/l	86
45) 1,2-Dichloropropane	8.94	63	249469	47.617	ug/l	96
46) Dibromomethane	9.06	93	210132	49.322	ug/l	93
47) Bromodichloromethane	9.38	83	529160	50.778	ug/l	97
48) Methyl methacrylate	9.12	41	167998	48.345	ug/l	91
49) 1,4-Dioxane	9.08	88	34264	913.876	ug/l	94
51) 4-Methyl-2-Pentanone	10.30	43	846685	233.477	ug/l	98
52) Toluene	10.51	92	659902	47.884	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	463029	51.410	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	509560	51.860	ug/l	91
55) 1,1,2-Trichloroethane	11.19	97	240704	49.364	ug/l	95
56) Ethyl methacrylate	11.04	69	254151	50.158	ug/l #	92
57) 1,3-Dichloropropane	11.40	76	367578	49.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	699381	252.688	ug/l	98
59) 2-Hexanone	11.53	43	666984	249.544	ug/l	96
60) Dibromochloromethane	11.69	129	424600	50.386	ug/l	98
61) 1,2-Dibromoethane	11.81	107	294850	49.737	ug/l	100
64) Tetrachloroethene	11.26	164	358044	49.615	ug/l	94
65) Chlorobenzene	12.40	112	839406	48.835	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	357519	47.792	ug/l	94
67) Ethyl Benzene	12.53	91	1333318	46.334	ug/l	96
68) m/p-Xylenes	12.66	106	1031469	98.522	ug/l	92
69) o-Xylene	13.05	106	492206	50.569	ug/l	94
70) Styrene	13.07	104	871973	52.884	ug/l	95
71) Bromoform	13.24	173	253967	48.797	ug/l #	95
73) Isopropylbenzene	13.40	105	1512397	52.255	ug/l	98
74) N-amyl acetate	13.26	43	374888	49.404	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	268267	48.961	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	250705	43.691	ug/l	97
77) Bromobenzene	13.67	156	424410	52.382	ug/l	93
78) n-propylbenzene	13.78	91	1784775	51.694	ug/l	100
79) 2-Chlorotoluene	13.84	91	925900	46.826	ug/l	90
80) 1,3,5-Trimethylbenzene	13.93	105	1233935	50.629	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	78089	48.206	ug/l #	85
82) 4-Chlorotoluene	13.94	91	1164037	50.026	ug/l	86
83) tert-Butylbenzene	14.19	119	1421687	51.897	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1225950	50.126	ug/l	96
85) sec-Butylbenzene	14.37	105	1488782	49.568	ug/l	98
86) p-Isopropyltoluene	14.49	119	1293323	48.196	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	678976	45.875	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	734091	50.478	ug/l	98
89) n-Butylbenzene	14.80	91	1200679	49.849	ug/l	97
90) Hexachloroethane	15.01	117	372882	51.096	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	587990	48.238	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	44878	49.896	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	401063	45.205	ug/l	98
94) Hexachlorobutadiene	16.04	225	301037	45.620	ug/l	98
95) Naphthalene	16.12	128	512473	41.373	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	209804	37.611	ug/l	96

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

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