

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010376.D
 Acq On : 11 May 2019 12:37
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 3:44:07 AM

Quant Time: May 12 00:37:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1361243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2177400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1969592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	960389	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	734135	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.88	113	666734	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	10.32	98	2728869	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.62	95	980109	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	547806	52.441	ug/l	99
3) Chloromethane	2.21	50	733063	52.609	ug/l	97
4) Vinyl Chloride	2.37	62	949335	54.820	ug/l	98
5) Bromomethane	2.78	94	537915	53.866	ug/l	100
6) Chloroethane	2.92	64	568854	56.802	ug/l	97
7) Trichlorofluoromethane	3.25	101	434433	50.112	ug/l	91
8) Diethyl Ether	3.67	74	416531	54.654	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	792654	55.801	ug/l	98
10) Methyl Iodide	4.26	142	1118199	55.587	ug/l	94
11) Tert butyl alcohol	5.17	59	200239	195.925	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	831305	56.005	ug/l	93
13) Acrolein	3.89	56	310289	229.957	ug/l	96
14) Allyl chloride	4.66	41	1293862	58.395	ug/l	92
15) Acrylonitrile	5.36	53	910932	215.648	ug/l	99
16) Acetone	4.12	43	877558	232.607	ug/l	97
17) Carbon Disulfide	4.37	76	2411962	53.727	ug/l	98
18) Methyl Acetate	4.67	43	422848	45.250	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	967026	54.727	ug/l	99
20) Methylene Chloride	4.91	84	856425	54.425	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	899477	56.296	ug/l	97
22) Diisopropyl ether	6.31	45	2628630	61.129	ug/l	93
23) Vinyl Acetate	6.25	43	8006874	271.171	ug/l	97
24) 1,1-Dichloroethane	6.21	63	1674765	57.847	ug/l	99
25) 2-Butanone	7.16	43	1230139	213.140	ug/l	98
26) 2,2-Dichloropropane	7.16	77	845561	58.701	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	960488	58.454	ug/l	97
28) Bromochloromethane	7.51	49	580189	54.357	ug/l	99
29) Tetrahydrofuran	7.52	42	778630	208.578	ug/l	95
30) Chloroform	7.67	83	1584882	58.494	ug/l	99
31) Cyclohexane	7.95	56	1601446	54.023	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1206299	57.478	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1336443	56.608	ug/l	100
37) Ethyl Acetate	7.25	43	541233	43.056	ug/l	98
38) Carbon Tetrachloride	8.07	117	1149970	56.823	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1667246	57.728	ug/l	98
40) Benzene	8.32	78	3670980	56.777	ug/l	99
41) Methacrylonitrile	7.48	41	326843	46.364	ug/l	95
42) 1,2-Dichloroethane	8.40	62	1038105	56.092	ug/l	98
43) Isopropyl Acetate	8.43	43	986830	47.336	ug/l	96
44) Trichloroethene	9.09	130	917847	56.704	ug/l	97
45) 1,2-Dichloropropane	9.37	63	937585	58.338	ug/l	97
46) Dibromomethane	9.46	93	436876	52.618	ug/l	98
47) Bromodichloromethane	9.64	83	1162767	58.382	ug/l	99
48) Methyl methacrylate	9.43	41	487287	49.435	ug/l	87
49) 1,4-Dioxane	9.45	88	132485	914.992	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	2669427	223.307	ug/l	94
52) Toluene	10.38	92	2305353	58.335	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	1180440	58.513	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	1426514	59.707	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	628066	53.259	ug/l	99
56) Ethyl methacrylate	10.65	69	849824	54.571	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	1158855	54.969	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1830086	245.451	ug/l	100
59) 2-Hexanone	10.97	43	1912357	226.262	ug/l	93
60) Dibromochloromethane	11.13	129	717477	56.540	ug/l	100
61) 1,2-Dibromoethane	11.23	107	595977	52.645	ug/l	99
64) Tetrachloroethene	10.86	164	750829	54.542	ug/l	99
65) Chlorobenzene	11.66	112	2338890	57.366	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	796743	57.818	ug/l	97
67) Ethyl Benzene	11.73	91	4456368	59.415	ug/l	98
68) m/p-Xylenes	11.84	106	3315401	118.971	ug/l	98
69) o-Xylene	12.16	106	1534242	60.861	ug/l	97
70) Styrene	12.18	104	2697745	61.417	ug/l	98
71) Bromoform	12.35	173	395507	50.208	ug/l #	99
73) Isopropylbenzene	12.47	105	4296824	61.381	ug/l	100
74) N-amyl acetate	12.27	43	935613	51.734	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	738916	47.907	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	523244m	46.729	ug/l	
77) Bromobenzene	12.75	156	925160	58.531	ug/l	100
78) n-propylbenzene	12.80	91	5301922	61.323	ug/l	100
79) 2-Chlorotoluene	12.90	91	2963657	60.191	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	3642891	61.727	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	237446	47.889	ug/l	93
82) 4-Chlorotoluene	12.99	91	3083364	59.768	ug/l	99
83) tert-Butylbenzene	13.21	119	3023994	61.433	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	3608311	61.528	ug/l	99
85) sec-Butylbenzene	13.38	105	4435018	61.032	ug/l	100
86) p-Isopropyltoluene	13.50	119	4024712	62.380	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1871727	59.302	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1825112	58.269	ug/l	99
89) n-Butylbenzene	13.83	91	4052479	62.642	ug/l	98
90) Hexachloroethane	14.10	117	708745	59.226	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	1621462	58.034	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	115928	41.738	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1189561	62.384	ug/l	100
94) Hexachlorobutadiene	15.24	225	736492	60.248	ug/l	99
95) Naphthalene	15.37	128	2101985	48.378	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	1030780	59.837	ug/l	99

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

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