

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
 Data File : VW012811.D
 Acq On : 09 Sep 2019 09:50
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 11:24:30 AM

Quant Time: Sep 09 10:58:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	356580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	149474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131644	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
35) Dibromofluoromethane	7.88	113	109526	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
50) Toluene-d8	10.32	98	436603	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.62	95	155822	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	46761	38.988	ug/l	99
3) Chloromethane	2.21	50	67522	46.324	ug/l	96
4) Vinyl Chloride	2.36	62	82895	46.382	ug/l	98
5) Bromomethane	2.77	94	52576	54.175	ug/l	96
6) Chloroethane	2.90	64	52344	49.080	ug/l	96
7) Trichlorofluoromethane	3.25	101	48991	39.723	ug/l	91
8) Diethyl Ether	3.68	74	53795	51.897	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	85551	44.203	ug/l	95
10) Methyl Iodide	4.26	142	127491	52.327	ug/l	99
11) Tert butyl alcohol	5.22	59	40109	212.071	ug/l	98
12) 1,1-Dichloroethene	4.04	96	84299	46.140	ug/l	98
13) Acrolein	3.90	56	9307	46.372	ug/l	92
14) Allyl chloride	4.66	41	177083	46.854	ug/l	98
15) Acrylonitrile	5.36	53	137671	227.394	ug/l	99
16) Acetone	4.14	43	109280	162.160	ug/l	99
17) Carbon Disulfide	4.38	76	162249	41.837	ug/l	99
18) Methyl Acetate	4.67	43	77580	49.068	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	195739	54.021	ug/l	97
20) Methylene Chloride	4.91	84	105925	50.241	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	97918	52.525	ug/l	92
22) Diisopropyl ether	6.31	45	412453	55.023	ug/l	98
23) Vinyl Acetate	6.25	43	1087791	228.980	ug/l	99
24) 1,1-Dichloroethane	6.21	63	217777	53.956	ug/l	97
25) 2-Butanone	7.17	43	183020	189.608	ug/l	99
26) 2,2-Dichloropropane	7.17	77	102910	40.369	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	123739	57.245	ug/l	94
28) Bromochloromethane	7.51	49	95147	51.339	ug/l #	93
29) Tetrahydrofuran	7.53	42	117977	216.789	ug/l	97
30) Chloroform	7.67	83	218849	54.711	ug/l	97
31) Cyclohexane	7.95	56	153177	42.155	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	165845	51.148	ug/l	99
36) 1,1-Dichloropropene	8.08	75	145921	46.056	ug/l	99
37) Ethyl Acetate	7.25	43	82419	40.807	ug/l	98
38) Carbon Tetrachloride	8.07	117	142807	45.725	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	154244	43.346	ug/l	97
40) Benzene	8.32	78	443900	50.498	ug/l	100
41) Methacrylonitrile	7.48	41	58763	43.353	ug/l	96
42) 1,2-Dichloroethane	8.40	62	151194	48.871	ug/l	99
43) Isopropyl Acetate	8.42	43	166685	43.561	ug/l	96
44) Trichloroethene	9.09	130	115577	51.007	ug/l	88
45) 1,2-Dichloropropane	9.37	63	123990	50.856	ug/l	99
46) Dibromomethane	9.46	93	57121	49.476	ug/l	98
47) Bromodichloromethane	9.64	83	161105	50.720	ug/l	99
48) Methyl methacrylate	9.43	41	85812	46.927	ug/l	95
49) 1,4-Dioxane	9.47	88	19168	840.512	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	422607	210.477	ug/l	98
52) Toluene	10.38	92	281902	51.381	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	156575	47.939	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	183336	49.481	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	88066	50.951	ug/l	98
56) Ethyl methacrylate	10.65	69	121998	48.218	ug/l	98
57) 1,3-Dichloropropane	10.93	76	157181	49.156	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	335519	249.792	ug/l	97
59) 2-Hexanone	10.97	43	284000	193.605	ug/l	100
60) Dibromochloromethane	11.13	129	102436	50.392	ug/l	99
61) 1,2-Dibromoethane	11.23	107	78227	49.366	ug/l	99
64) Tetrachloroethene	10.86	164	117622	61.558	ug/l	99
65) Chlorobenzene	11.66	112	307896	51.732	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	116036	52.352	ug/l	98
67) Ethyl Benzene	11.73	91	568210	50.883	ug/l	99
68) m/p-Xylenes	11.84	106	413602	102.611	ug/l	98
69) o-Xylene	12.16	106	199794	52.540	ug/l	98
70) Styrene	12.18	104	355246	52.867	ug/l	99
71) Bromoform	12.35	173	58143	47.216	ug/l #	99
73) Isopropylbenzene	12.46	105	557075	51.963	ug/l	100
74) N-amyl acetate	12.27	43	152235	44.737	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	96417	44.782	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	79246m	51.848	ug/l	
77) Bromobenzene	12.74	156	130441	53.704	ug/l	93
78) n-propylbenzene	12.80	91	644740	50.284	ug/l	99
79) 2-Chlorotoluene	12.89	91	382069	51.907	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	469989	52.026	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	28217	39.047	ug/l	99
82) 4-Chlorotoluene	12.99	91	399462	51.306	ug/l	99
83) tert-Butylbenzene	13.21	119	419115	52.470	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	471248	51.770	ug/l	100
85) sec-Butylbenzene	13.38	105	548490	49.485	ug/l	99
86) p-Isopropyltoluene	13.49	119	501266	49.511	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	246792	51.694	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	242669	51.083	ug/l	99
89) n-Butylbenzene	13.82	91	461731	46.977	ug/l	100
90) Hexachloroethane	14.09	117	90952	51.460	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	221719	51.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16334	41.456	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	153571	51.333	ug/l	97
94) Hexachlorobutadiene	15.24	225	99963	48.275	ug/l	98
95) Naphthalene	15.36	128	274521	44.328	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	134545	50.950	ug/l	98

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

