

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010333.D
 Acq On : 09 May 2019 12:34
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:23 AM

Quant Time: May 09 13:20:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:10:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1353476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2125517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1905891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	944566	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	727216	43.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.08%	
35) Dibromofluoromethane	7.88	113	638656	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
50) Toluene-d8	10.32	98	2657814	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.62	95	926603	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	506034	49.034	ug/l	100
3) Chloromethane	2.21	50	645089	62.507	ug/l	98
4) Vinyl Chloride	2.37	62	824374	68.719	ug/l	98
5) Bromomethane	2.78	94	470382	58.346	ug/l	99
6) Chloroethane	2.92	64	489556	62.458	ug/l	93
7) Trichlorofluoromethane	3.25	101	420193	50.661	ug/l	96
8) Diethyl Ether	3.67	74	367628	53.284	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.05	101	673984	48.291	ug/l	99
10) Methyl Iodide	4.26	142	964846	50.025	ug/l	94
11) Tert butyl alcohol	5.17	59	249409	262.151	ug/l	99
12) 1,1-Dichloroethene	4.03	96	709474	53.024	ug/l	93
13) Acrolein	3.89	56	343522	343.213	ug/l	99
14) Allyl chloride	4.65	41	1087097	45.699	ug/l	91
15) Acrylonitrile	5.36	53	1043268	293.828	ug/l	99
16) Acetone	4.12	43	1007439	259.960	ug/l	94
17) Carbon Disulfide	4.38	76	2169952	59.121	ug/l	99
18) Methyl Acetate	4.67	43	452593	50.461	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	893770	51.427	ug/l	99
20) Methylene Chloride	4.91	84	708519	39.740	ug/l	94
21) trans-1,2-Dichloroethene	5.41	96	781579	53.942	ug/l	95
22) Diisopropyl ether	6.31	45	2167157	44.913	ug/l	96
23) Vinyl Acetate	6.25	43	7669299	252.481	ug/l	96
24) 1,1-Dichloroethane	6.21	63	1401814	48.597	ug/l	100
25) 2-Butanone	7.17	43	1482283	291.173	ug/l	95
26) 2,2-Dichloropropane	7.16	77	703459	44.079	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	809906	50.825	ug/l	96
28) Bromochloromethane	7.51	49	507094	43.017	ug/l	100
29) Tetrahydrofuran	7.53	42	952734	295.362	ug/l	95
30) Chloroform	7.67	83	1317191	45.572	ug/l	99
31) Cyclohexane	7.95	56	1395164	51.651	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	1014136	44.694	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1144053	52.693	ug/l	100
37) Ethyl Acetate	7.25	43	626037	56.744	ug/l	97
38) Carbon Tetrachloride	8.07	117	972628	45.901	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1440426	58.957	ug/l	96
40) Benzene	8.32	78	3102860	52.267	ug/l	99
41) Methacrylonitrile	7.48	41	361726	57.527	ug/l	94
42) 1,2-Dichloroethane	8.40	62	888458	43.548	ug/l	97
43) Isopropyl Acetate	8.42	43	1037579	50.187	ug/l	98
44) Trichloroethene	9.09	130	779781	51.716	ug/l	97
45) 1,2-Dichloropropane	9.37	63	774570	49.638	ug/l	99
46) Dibromomethane	9.46	93	398330	49.252	ug/l	97
47) Bromodichloromethane	9.64	83	958582	45.914	ug/l	99
48) Methyl methacrylate	9.43	41	506087	50.288	ug/l	87
49) 1,4-Dioxane	9.45	88	148867	1204.638	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	3068098	283.343	ug/l	94
52) Toluene	10.39	92	1934418	52.310	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	1011987	48.890	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	1180880	49.962	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	563867	49.952	ug/l	95
56) Ethyl methacrylate	10.65	69	801278	57.099	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	1032423	51.028	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1825532	282.476	ug/l	100
59) 2-Hexanone	10.97	43	2209891	293.182	ug/l	92
60) Dibromochloromethane	11.13	129	617938	47.363	ug/l	99
61) 1,2-Dibromoethane	11.24	107	551047	51.316	ug/l	98
64) Tetrachloroethene	10.86	164	653676	52.833	ug/l	97
65) Chlorobenzene	11.66	112	1937195	49.661	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	658317	47.192	ug/l	98
67) Ethyl Benzene	11.73	91	3709606	53.301	ug/l	98
68) m/p-Xylenes	11.84	106	2767026	106.359	ug/l	98
69) o-Xylene	12.16	106	1260419	53.208	ug/l	97
70) Styrene	12.18	104	2229966	54.598	ug/l	98
71) Bromoform	12.35	173	378099	51.258	ug/l #	98
73) Isopropylbenzene	12.46	105	3565751	54.240	ug/l	100
74) N-amyl acetate	12.27	43	925160	50.818	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	747110	57.523	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	544437m	57.590	ug/l	
77) Bromobenzene	12.75	156	768668	50.840	ug/l	97
78) n-propylbenzene	12.80	91	4405116	54.066	ug/l	100
79) 2-Chlorotoluene	12.90	91	2425526	51.762	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	3001191	53.843	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	247862	61.822	ug/l	93
82) 4-Chlorotoluene	12.99	91	2545970	51.624	ug/l	100
83) tert-Butylbenzene	13.21	119	2497109	54.098	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	2971899	52.588	ug/l	99
85) sec-Butylbenzene	13.38	105	3706499	53.733	ug/l	100
86) p-Isopropyltoluene	13.50	119	3331616	54.798	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1541651	50.442	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1511937	49.561	ug/l	99
89) n-Butylbenzene	13.83	91	3325639	55.211	ug/l	98
90) Hexachloroethane	14.10	117	587375	50.441	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	1357934	49.553	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	134019	57.660	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	970185	53.664	ug/l	99
94) Hexachlorobutadiene	15.24	225	609061	55.478	ug/l	99
95) Naphthalene	15.37	128	2071717	63.828	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	866031	55.214	ug/l	99

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

