

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010330.D
 Acq On : 09 May 2019 11:09
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:13 AM

Quant Time: May 09 13:19:00 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	1238736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1970234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1743628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	861898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	65037	4.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.50%	
35) Dibromofluoromethane	7.88	113	56819	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	
50) Toluene-d8	10.32	98	221000	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	
62) 4-Bromofluorobenzene	12.62	95	84071	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	72309	7.656	ug/l	94
3) Chloromethane	2.21	50	75185	7.960	ug/l	99
4) Vinyl Chloride	2.37	62	90682	8.259	ug/l	97
5) Bromomethane	2.78	94	54483	7.384	ug/l	98
6) Chloroethane	2.92	64	48522	6.764	ug/l	99
7) Trichlorofluoromethane	3.25	101	39683	5.228	ug/l	100
8) Diethyl Ether	3.67	74	37209	5.893	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	72791	5.699	ug/l	97
10) Methyl Iodide	4.26	142	99870	5.658	ug/l	94
11) Tert butyl alcohol	5.17	59	22883	26.280	ug/l #	71
12) 1,1-Dichloroethene	4.03	96	72532	5.923	ug/l	98
13) Acrolein	3.89	56	32761	35.763	ug/l	100
14) Allyl chloride	4.66	41	106079	4.872	ug/l	90
15) Acrylonitrile	5.36	53	97812	30.100	ug/l	98
16) Acetone	4.12	43	85881	24.213	ug/l	93
17) Carbon Disulfide	4.37	76	223621	6.657	ug/l	100
18) Methyl Acetate	4.67	43	44176	5.382	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	76069	4.782	ug/l	96
20) Methylene Chloride	4.91	84	90738	5.561	ug/l	90
21) trans-1,2-Dichloroethene	5.41	96	76664	5.781	ug/l	98
22) Diisopropyl ether	6.31	45	182743	4.138	ug/l	96
23) Vinyl Acetate	6.25	43	597666	21.498	ug/l	97
24) 1,1-Dichloroethane	6.21	63	138260	5.237	ug/l	98
25) 2-Butanone	7.17	43	118548	25.444	ug/l	95
26) 2,2-Dichloropropane	7.16	77	70840	4.850	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	75445	5.173	ug/l	95
28) Bromochloromethane	7.51	49	41472	3.844	ug/l	100
29) Tetrahydrofuran	7.53	42	77932	26.398	ug/l	99
30) Chloroform	7.67	83	128532	4.859	ug/l	97
31) Cyclohexane	7.95	56	155857	6.304	ug/l #	73
32) 1,1,1-Trichloroethane	7.87	97	103061	4.963	ug/l	99
36) 1,1-Dichloropropene	8.07	75	111530	5.542	ug/l	99
37) Ethyl Acetate	7.25	43	53296	5.211	ug/l	98
38) Carbon Tetrachloride	8.07	117	97835	4.981	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	126929	5.605	ug/l	97
40) Benzene	8.32	78	306985	5.579	ug/l	99
41) Methacrylonitrile	7.49	41	27616	4.738	ug/l	93
42) 1,2-Dichloroethane	8.40	62	87604	4.632	ug/l	95
43) Isopropyl Acetate	8.43	43	85989	4.487	ug/l	95
44) Trichloroethene	9.09	130	77094	5.516	ug/l	94
45) 1,2-Dichloropropane	9.37	63	74767	5.169	ug/l	100
46) Dibromomethane	9.46	93	38788	5.174	ug/l	99
47) Bromodichloromethane	9.65	83	92160	4.762	ug/l	98
48) Methyl methacrylate	9.44	41	39094	4.191	ug/l #	87
49) 1,4-Dioxane	9.45	88	11659	101.781	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	236565	23.569	ug/l	96
52) Toluene	10.38	92	178939	5.220	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	82007	4.274	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	101779	4.646	ug/l	88
55) 1,1,2-Trichloroethane	10.79	97	56441	5.394	ug/l	97
56) Ethyl methacrylate	10.65	69	56526	4.345	ug/l #	87
57) 1,3-Dichloropropane	10.93	76	95241	5.078	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	137544	22.960	ug/l	99
59) 2-Hexanone	10.97	43	159279	22.797	ug/l	98
60) Dibromochloromethane	11.13	129	56000	4.630	ug/l	99
61) 1,2-Dibromoethane	11.24	107	50226	5.046	ug/l	97
64) Tetrachloroethene	10.86	164	63305	5.593	ug/l	99
65) Chlorobenzene	11.66	112	189084	5.298	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	62330	4.884	ug/l	99
67) Ethyl Benzene	11.73	91	323726	5.084	ug/l	100
68) m/p-Xylenes	11.84	106	233413	9.807	ug/l	100
69) o-Xylene	12.16	106	101750	4.695	ug/l	100
70) Styrene	12.18	104	172546	4.618	ug/l	98
71) Bromoform	12.35	173	33956	5.032	ug/l #	100
73) Isopropylbenzene	12.46	105	286238	4.772	ug/l	99
74) N-amyl acetate	12.27	43	65286	3.930	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	69672	5.879	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	50270m	5.828	ug/l	
77) Bromobenzene	12.75	156	70143	5.084	ug/l	98
78) n-propylbenzene	12.80	91	366955	4.936	ug/l	99
79) 2-Chlorotoluene	12.90	91	216599	5.066	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	239991	4.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	19574	5.350	ug/l	94
82) 4-Chlorotoluene	12.99	91	224149	4.981	ug/l	99
83) tert-Butylbenzene	13.21	119	198330	4.709	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	238020	4.616	ug/l	100
85) sec-Butylbenzene	13.38	105	303965	4.829	ug/l	100
86) p-Isopropyltoluene	13.50	119	262172	4.726	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	144287	5.174	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	148268	5.326	ug/l	95
89) n-Butylbenzene	13.83	91	267406	4.865	ug/l	99
90) Hexachloroethane	14.10	117	54272	5.108	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	125924	5.036	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12248	5.775	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	77723	4.711	ug/l	97
94) Hexachlorobutadiene	15.24	225	55514	5.542	ug/l	99
95) Naphthalene	15.37	128	140636	4.748	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	70381	4.918	ug/l	96

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

