

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010527.D
 Acq On : 23 May 2019 13:59
 Operator : SY/VA
 Sample : VW0523SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 10:44:20 PM

Quant Time: May 24 08:53:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	150873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	257280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	227811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	74144	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
35) Dibromofluoromethane	7.88	113	77681	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	10.32	98	297584	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	12.62	95	114253	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	20884	15.344	ug/l	98
3) Chloromethane	2.21	50	25132	15.854	ug/l	96
4) Vinyl Chloride	2.35	62	27467	14.959	ug/l	100
5) Bromomethane	2.75	94	20831	16.491	ug/l	96
6) Chloroethane	2.91	64	19059	16.170	ug/l	96
7) Trichlorofluoromethane	3.25	101	51738	19.086	ug/l	96
8) Diethyl Ether	3.68	74	15897	18.500	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	32204	19.290	ug/l	99
10) Methyl Iodide	4.28	142	30354	15.907	ug/l	98
11) Tert butyl alcohol	5.18	59	16855	120.329	ug/l #	90
12) 1,1-Dichloroethene	4.03	96	29987	18.817	ug/l	99
13) Acrolein	3.89	56	9256	100.018	ug/l	95
14) Allyl chloride	4.67	41	42101	18.251	ug/l	100
15) Acrylonitrile	5.37	53	30756	85.462	ug/l	99
16) Acetone	4.13	43	31805	100.056	ug/l	94
17) Carbon Disulfide	4.37	76	81065	17.054	ug/l	100
18) Methyl Acetate	4.67	43	15087	19.406	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	76440	18.815	ug/l	98
20) Methylene Chloride	4.92	84	31983	13.440	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	34937	19.113	ug/l	98
22) Diisopropyl ether	6.31	45	87703	18.542	ug/l	95
23) Vinyl Acetate	6.26	43	255077	90.280	ug/l	98
24) 1,1-Dichloroethane	6.21	63	54279	19.230	ug/l	98
25) 2-Butanone	7.17	43	44361	97.517	ug/l	100
26) 2,2-Dichloropropane	7.17	77	56286	20.934	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	39255	19.753	ug/l	99
28) Bromochloromethane	7.51	49	20320	20.107	ug/l	97
29) Tetrahydrofuran	7.53	42	26457	85.949	ug/l	98
30) Chloroform	7.67	83	58737	19.292	ug/l	96
31) Cyclohexane	7.95	56	53629	18.138	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	56718	19.491	ug/l	97
36) 1,1-Dichloropropene	8.09	75	47202	19.695	ug/l	99
37) Ethyl Acetate	7.26	43	19104	18.744	ug/l	98
38) Carbon Tetrachloride	8.06	117	51944	20.091	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	62278	19.395	ug/l	98
40) Benzene	8.32	78	130726	19.624	ug/l	99
41) Methacrylonitrile	7.49	41	11663	19.259	ug/l	90
42) 1,2-Dichloroethane	8.40	62	37205	19.541	ug/l	100
43) Isopropyl Acetate	8.43	43	37131	18.236	ug/l	98
44) Trichloroethene	9.09	130	39255	19.849	ug/l	97
45) 1,2-Dichloropropane	9.37	63	30944	19.559	ug/l	100
46) Dibromomethane	9.46	93	18159	19.626	ug/l	100
47) Bromodichloromethane	9.64	83	44706	19.228	ug/l	99
48) Methyl methacrylate	9.44	41	15782	16.943	ug/l	94
49) 1,4-Dioxane	9.45	88	4716	312.022	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	94177	91.279	ug/l	99
52) Toluene	10.39	92	89349	19.972	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	44233	18.784	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	51519	19.157	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	25973	19.521	ug/l	97
56) Ethyl methacrylate	10.65	69	32673	17.806	ug/l	97
57) 1,3-Dichloropropane	10.93	76	43247	19.405	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	76420	94.024	ug/l	97
59) 2-Hexanone	10.97	43	64294	87.357	ug/l	100
60) Dibromochloromethane	11.13	129	32475	19.286	ug/l	100
61) 1,2-Dibromoethane	11.23	107	25740	19.098	ug/l	98
64) Tetrachloroethene	10.86	164	31962	20.126	ug/l	98
65) Chlorobenzene	11.66	112	97022	19.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	34709	19.956	ug/l	98
67) Ethyl Benzene	11.73	91	168419	19.648	ug/l	98
68) m/p-Xylenes	11.84	106	131535	39.121	ug/l	98
69) o-Xylene	12.16	106	63215	19.844	ug/l	99
70) Styrene	12.18	104	106936	19.785	ug/l	100
71) Bromoform	12.35	173	17321	18.085	ug/l #	99
73) Isopropylbenzene	12.46	105	173055	19.993	ug/l	99
74) N-amyl acetate	12.27	43	33926	17.104	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	29137	18.507	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	20062m	18.119	ug/l	
77) Bromobenzene	12.75	156	39371	20.326	ug/l	99
78) n-propylbenzene	12.80	91	195780	19.409	ug/l	100
79) 2-Chlorotoluene	12.90	91	114812	19.627	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	143013	19.508	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	9008	16.980	ug/l	96
82) 4-Chlorotoluene	12.99	91	119132	19.620	ug/l	99
83) tert-Butylbenzene	13.21	119	126374	19.735	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	142808	19.559	ug/l	100
85) sec-Butylbenzene	13.38	105	174394	19.461	ug/l	99
86) p-Isopropyltoluene	13.50	119	157124	19.371	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	76487	20.127	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	74766	19.609	ug/l	97
89) n-Butylbenzene	13.83	91	146397	18.975	ug/l	100
90) Hexachloroethane	14.10	117	30387	19.355	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	68488	19.779	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4996	17.066	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	44138	18.735	ug/l	99
94) Hexachlorobutadiene	15.24	225	24276	19.288	ug/l	97
95) Naphthalene	15.37	128	86057	17.401	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	37724	18.609	ug/l	97

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

