

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051019\
 Data File : VW010353.D
 Acq On : 10 May 2019 13:46
 Operator : SY/VA
 Sample : VW0510SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 12:12:02 PM

Quant Time: May 10 23:45:58 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	1335710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2111813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1878570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	930226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	707076	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	7.88	113	626860	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.32	98	2583098	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.62	95	912171	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	200768	19.844	ug/l	97
3) Chloromethane	2.21	50	266500	19.491	ug/l	98
4) Vinyl Chloride	2.36	62	344015	20.245	ug/l	99
5) Bromomethane	2.77	94	190855	19.477	ug/l	97
6) Chloroethane	2.92	64	199540	20.305	ug/l	99
7) Trichlorofluoromethane	3.25	101	164230	19.306	ug/l	97
8) Diethyl Ether	3.67	74	148967	19.920	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	282120	20.240	ug/l	97
10) Methyl Iodide	4.26	142	401556	20.343	ug/l	94
11) Tert butyl alcohol	5.17	59	80363	80.135	ug/l	98
12) 1,1-Dichloroethene	4.03	96	306045	21.012	ug/l	91
13) Acrolein	3.88	56	112839	85.224	ug/l	100
14) Allyl chloride	4.65	41	442264	20.342	ug/l	93
15) Acrylonitrile	5.36	53	355561	85.782	ug/l	99
16) Acetone	4.12	43	313261	84.621	ug/l	96
17) Carbon Disulfide	4.37	76	885468	20.101	ug/l	99
18) Methyl Acetate	4.67	43	157723	17.201	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	337132	19.444	ug/l	97
20) Methylene Chloride	4.91	84	349256	22.619	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	323887	20.659	ug/l	99
22) Diisopropyl ether	6.31	45	911339	21.598	ug/l	96
23) Vinyl Acetate	6.25	43	2886431	99.624	ug/l	96
24) 1,1-Dichloroethane	6.21	63	592978	20.873	ug/l	100
25) 2-Butanone	7.17	43	469283	82.865	ug/l	96
26) 2,2-Dichloropropane	7.16	77	307807	21.777	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	337337	20.922	ug/l	97
28) Bromochloromethane	7.51	49	249352	23.808	ug/l	98
29) Tetrahydrofuran	7.52	42	310324	84.718	ug/l	95
30) Chloroform	7.67	83	556861	20.945	ug/l	98
31) Cyclohexane	7.95	56	600979	20.661	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	441042	21.417	ug/l	100
36) 1,1-Dichloropropene	8.08	75	487462	21.289	ug/l	99
37) Ethyl Acetate	7.25	43	220701	18.103	ug/l	98
38) Carbon Tetrachloride	8.06	117	414000	21.092	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	586967	20.955	ug/l	98
40) Benzene	8.32	78	1327975	21.177	ug/l	99
41) Methacrylonitrile	7.48	41	124200	18.165	ug/l	95
42) 1,2-Dichloroethane	8.40	62	378136	21.066	ug/l	97
43) Isopropyl Acetate	8.42	43	366792	18.141	ug/l	96
44) Trichloroethene	9.09	130	323905	20.632	ug/l	99
45) 1,2-Dichloropropane	9.37	63	330837	21.224	ug/l	100
46) Dibromomethane	9.46	93	157583	19.569	ug/l	99
47) Bromodichloromethane	9.64	83	399841	20.699	ug/l	98
48) Methyl methacrylate	9.43	41	177993	18.618	ug/l	87
49) 1,4-Dioxane	9.45	88	48173	343.034	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	1039752	89.680	ug/l	95
52) Toluene	10.38	92	822463	21.458	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	394298	20.152	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	479915	20.711	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	225889	19.750	ug/l	99
56) Ethyl methacrylate	10.65	69	287562	19.039	ug/l #	87
57) 1,3-Dichloropropane	10.93	76	411346	20.118	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	748071	103.447	ug/l	99
59) 2-Hexanone	10.97	43	714144	87.119	ug/l	93
60) Dibromochloromethane	11.13	129	247261	20.090	ug/l	98
61) 1,2-Dibromoethane	11.23	107	217073	19.770	ug/l	99
64) Tetrachloroethene	10.86	164	270619	20.611	ug/l	98
65) Chlorobenzene	11.66	112	820702	21.105	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	273433	20.804	ug/l	97
67) Ethyl Benzene	11.73	91	1556035	21.751	ug/l	98
68) m/p-Xylenes	11.84	106	1160523	43.662	ug/l	100
69) o-Xylene	12.16	106	520075	21.630	ug/l	97
70) Styrene	12.18	104	905232	21.607	ug/l	99
71) Bromoform	12.35	173	138977	18.497	ug/l #	98
73) Isopropylbenzene	12.47	105	1488953	21.960	ug/l	100
74) N-amyl acetate	12.27	43	331271	18.911	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	278256	18.625	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	206090m	19.002	ug/l	
77) Bromobenzene	12.75	156	317921	20.766	ug/l	97
78) n-propylbenzene	12.80	91	1862853	22.245	ug/l	100
79) 2-Chlorotoluene	12.90	91	1038628	21.778	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1267268	22.170	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	85173	17.735	ug/l	96
82) 4-Chlorotoluene	12.99	91	1090258	21.819	ug/l	98
83) tert-Butylbenzene	13.21	119	1032849	21.663	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	1266648	22.299	ug/l	99
85) sec-Butylbenzene	13.39	105	1543003	21.922	ug/l	100
86) p-Isopropyltoluene	13.50	119	1383898	22.145	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	646686	21.153	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	645857	21.288	ug/l	100
89) n-Butylbenzene	13.83	91	1375849	21.957	ug/l	99
90) Hexachloroethane	14.10	117	238421	20.570	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	572203	21.144	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	45649	16.968	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	393818	21.322	ug/l	99
94) Hexachlorobutadiene	15.24	225	252154	21.296	ug/l	99
95) Naphthalene	15.37	128	709353	19.198	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	343295	20.575	ug/l	99

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

