

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011164.D
 Acq On : 08 Jul 2019 16:46
 Operator : SY/VA
 Sample : VW0708SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:13:15 PM

Quant Time: Jul 09 07:05:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 06:41:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	231031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	392056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170671	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	149636	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
35) Dibromofluoromethane	7.88	113	115514	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	10.32	98	470620	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.62	95	171439	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	36926	21.431	ug/l	100
3) Chloromethane	2.21	50	45281	20.395	ug/l	99
4) Vinyl Chloride	2.35	62	59051	20.320	ug/l	98
5) Bromomethane	2.76	94	29941	20.504	ug/l	95
6) Chloroethane	2.92	64	31262	19.973	ug/l	95
7) Trichlorofluoromethane	3.24	101	18733	18.146	ug/l	91
8) Diethyl Ether	3.68	74	28846	20.195	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	50262	20.326	ug/l	99
10) Methyl Iodide	4.27	142	67391	19.815	ug/l	100
11) Tert butyl alcohol	5.16	59	22425	104.337	ug/l	100
12) 1,1-Dichloroethene	4.04	96	50078	19.512	ug/l	95
13) Acrolein	3.89	56	15243	89.065	ug/l	99
14) Allyl chloride	4.66	41	89257	19.071	ug/l	99
15) Acrylonitrile	5.36	53	75110	103.248	ug/l	99
16) Acetone	4.12	43	68407	97.935	ug/l	99
17) Carbon Disulfide	4.38	76	148582	19.096	ug/l	100
18) Methyl Acetate	4.67	43	47686	23.251	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	80618	20.702	ug/l	100
20) Methylene Chloride	4.92	84	58524	21.239	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	52327	19.621	ug/l	96
22) Diisopropyl ether	6.31	45	204518	20.317	ug/l	99
23) Vinyl Acetate	6.25	43	620143	99.547	ug/l	100
24) 1,1-Dichloroethane	6.21	63	105573	19.973	ug/l	99
25) 2-Butanone	7.17	43	113159	103.205	ug/l	98
26) 2,2-Dichloropropane	7.16	77	53327	19.408	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57760	20.078	ug/l	99
28) Bromochloromethane	7.51	49	49169	20.457	ug/l	100
29) Tetrahydrofuran	7.52	42	76246	106.052	ug/l	100
30) Chloroform	7.67	83	97559	19.929	ug/l	98
31) Cyclohexane	7.95	56	111554	19.837	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	71963	19.325	ug/l	98
36) 1,1-Dichloropropene	8.08	75	80753	19.342	ug/l	99
37) Ethyl Acetate	7.25	43	52119	20.777	ug/l	100
38) Carbon Tetrachloride	8.06	117	67196	18.986	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	100083	19.778	ug/l	98
40) Benzene	8.32	78	224009	19.415	ug/l	100
41) Methacrylonitrile	7.48	41	30925	21.555	ug/l	92
42) 1,2-Dichloroethane	8.40	62	74107	19.799	ug/l	100
43) Isopropyl Acetate	8.42	43	96477	20.371	ug/l	100
44) Trichloroethene	9.09	130	52968	19.077	ug/l	99
45) 1,2-Dichloropropane	9.37	63	60969	19.513	ug/l	99
46) Dibromomethane	9.46	93	28944	19.720	ug/l	99
47) Bromodichloromethane	9.64	83	71595	19.064	ug/l	99
48) Methyl methacrylate	9.43	41	45008	19.754	ug/l	98
49) 1,4-Dioxane	9.45	88	9887	403.567	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	255564	103.302	ug/l	100
52) Toluene	10.38	92	137154	19.596	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	75147	18.799	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	88897	18.893	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	41343	19.855	ug/l	96
56) Ethyl methacrylate	10.65	69	64067	20.210	ug/l	98
57) 1,3-Dichloropropane	10.93	76	77711	19.736	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	149923	102.012	ug/l	99
59) 2-Hexanone	10.97	43	177216	103.292	ug/l	99
60) Dibromochloromethane	11.13	129	43569	19.082	ug/l	99
61) 1,2-Dibromoethane	11.23	107	39066	19.807	ug/l	99
64) Tetrachloroethene	10.86	164	44866	19.290	ug/l	98
65) Chlorobenzene	11.66	112	137269	19.587	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	47472	19.239	ug/l	99
67) Ethyl Benzene	11.73	91	260631	19.427	ug/l	100
68) m/p-Xylenes	11.84	106	192251	39.603	ug/l	98
69) o-Xylene	12.16	106	89240	19.504	ug/l	100
70) Styrene	12.18	104	156490	19.818	ug/l	100
71) Bromoform	12.35	173	25024	19.074	ug/l #	99
73) Isopropylbenzene	12.46	105	249556	19.560	ug/l	100
74) N-amyl acetate	12.27	43	90252	20.312	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	52030	19.895	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	44112m	22.366	ug/l	
77) Bromobenzene	12.75	156	55762	19.475	ug/l	99
78) n-propylbenzene	12.80	91	307289	19.552	ug/l	100
79) 2-Chlorotoluene	12.89	91	176637	19.531	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	213537	19.701	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15595	17.884	ug/l	96
82) 4-Chlorotoluene	12.99	91	182340	19.357	ug/l	99
83) tert-Butylbenzene	13.21	119	177863	19.676	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	213440	19.611	ug/l	100
85) sec-Butylbenzene	13.38	105	258932	19.851	ug/l	100
86) p-Isopropyltoluene	13.50	119	230160	19.673	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	108372	19.673	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	109705	19.777	ug/l	98
89) n-Butylbenzene	13.82	91	229333	19.650	ug/l	100
90) Hexachloroethane	14.10	117	40655	19.017	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	99472	19.904	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9066	19.544	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69206	20.105	ug/l	98
94) Hexachlorobutadiene	15.24	225	41443	19.610	ug/l	99
95) Naphthalene	15.37	128	132583	20.100	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	61463	20.232	ug/l	99

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

