

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009136.D
 Acq On : 13 Mar 2019 05:21
 Operator : SY/VA
 Sample : VW0312SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 3:12:42 PM

Quant Time: Mar 13 07:10:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	348463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	181964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	143865	65.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.84%	
35) Dibromofluoromethane	7.88	113	118136	56.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.62%	
50) Toluene-d8	10.32	98	466351	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
62) 4-Bromofluorobenzene	12.62	95	174519	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	47618	21.616	ug/l	98
3) Chloromethane	2.21	50	65888	23.545	ug/l	99
4) Vinyl Chloride	2.35	62	59705	21.023	ug/l	98
5) Bromomethane	2.77	94	73745	30.762	ug/l	98
6) Chloroethane	2.91	64	50808	25.130	ug/l	100
7) Trichlorofluoromethane	3.25	101	80030	21.887	ug/l	98
8) Diethyl Ether	3.68	74	28523	25.511	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48977	21.506	ug/l	100
10) Methyl Iodide	4.26	142	31593	15.161	ug/l	98
11) Tert butyl alcohol	5.21	59	19570	116.128	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	43502	22.144	ug/l	97
13) Acrolein	3.90	56	17655	95.205	ug/l	98
14) Allyl chloride	4.67	41	77324	22.314	ug/l	99
15) Acrylonitrile	5.37	53	63022	129.149	ug/l	98
16) Acetone	4.15	43	52616	106.026	ug/l	95
17) Carbon Disulfide	4.37	76	139422	21.094	ug/l	99
18) Methyl Acetate	4.68	43	28946	25.366	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	136676	26.301	ug/l	97
20) Methylene Chloride	4.92	84	60707	23.084	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	51455	22.684	ug/l	92
22) Diisopropyl ether	6.31	45	177315	25.749	ug/l	96
23) Vinyl Acetate	6.26	43	535447	124.950	ug/l	99
24) 1,1-Dichloroethane	6.21	63	97518	24.415	ug/l	97
25) 2-Butanone	7.18	43	84350	122.989	ug/l	99
26) 2,2-Dichloropropane	7.16	77	71404	19.667	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	59395	24.381	ug/l	97
28) Bromochloromethane	7.51	49	41483	24.969	ug/l	100
29) Tetrahydrofuran	7.53	42	55902	129.344	ug/l	98
30) Chloroform	7.67	83	101934	24.788	ug/l	97
31) Cyclohexane	7.95	56	82597	20.140	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	87351	23.018	ug/l	99
36) 1,1-Dichloropropene	8.08	75	75180	20.634	ug/l	100
37) Ethyl Acetate	7.26	43	38351	22.409	ug/l #	95
38) Carbon Tetrachloride	8.07	117	76942	20.448	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	80309	18.505	ug/l	98
40) Benzene	8.32	78	214010	22.003	ug/l	100
41) Methacrylonitrile	7.48	41	23580	24.811	ug/l	88
42) 1,2-Dichloroethane	8.40	62	73939	23.547	ug/l	99
43) Isopropyl Acetate	8.43	43	74483	23.367	ug/l	99
44) Trichloroethene	9.09	130	59413	21.794	ug/l	97
45) 1,2-Dichloropropane	9.37	63	54790	22.492	ug/l	99
46) Dibromomethane	9.46	93	30990	23.293	ug/l	99
47) Bromodichloromethane	9.64	83	79842	23.708	ug/l	100
48) Methyl methacrylate	9.44	41	32052	21.595	ug/l #	85
49) 1,4-Dioxane	9.47	88	8583	450.523	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	195414	120.760	ug/l	99
52) Toluene	10.38	92	138942	21.064	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	72411	21.740	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	82527	21.561	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	42330	23.475	ug/l	99
56) Ethyl methacrylate	10.65	69	49976	22.331	ug/l	96
57) 1,3-Dichloropropane	10.93	76	73579	23.034	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	137003	118.089	ug/l	98
59) 2-Hexanone	10.97	43	127013	111.637	ug/l	100
60) Dibromochloromethane	11.13	129	51463	23.061	ug/l	98
61) 1,2-Dibromoethane	11.24	107	41692	23.585	ug/l	97
64) Tetrachloroethene	10.86	164	55922	22.508	ug/l	98
65) Chlorobenzene	11.66	112	157076	20.947	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	57202	22.846	ug/l	97
67) Ethyl Benzene	11.73	91	266517	19.673	ug/l	99
68) m/p-Xylenes	11.84	106	213022	39.838	ug/l	99
69) o-Xylene	12.16	106	99545	20.008	ug/l	98
70) Styrene	12.18	104	166167	20.642	ug/l	99
71) Bromoform	12.35	173	30274	22.518	ug/l #	100
73) Isopropylbenzene	12.46	105	267218	20.507	ug/l	100
74) N-amyl acetate	12.27	43	70657	22.905	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	50948	24.787	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35549m	24.727	ug/l	
77) Bromobenzene	12.75	156	65683	22.061	ug/l	98
78) n-propylbenzene	12.80	91	326001	20.311	ug/l	99
79) 2-Chlorotoluene	12.89	91	192150	21.308	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	229242	20.409	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13247	20.610	ug/l	96
82) 4-Chlorotoluene	12.99	91	201547	20.967	ug/l	100
83) tert-Butylbenzene	13.21	119	189595	20.014	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	232731	20.483	ug/l	99
85) sec-Butylbenzene	13.38	105	277385	19.763	ug/l	98
86) p-Isopropyltoluene	13.50	119	240318	19.140	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	130979	20.933	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	129585	20.956	ug/l	97
89) n-Butylbenzene	13.83	91	216939	18.175	ug/l	99
90) Hexachloroethane	14.10	117	47354	21.868	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	119458	21.639	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8947	24.439	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	71528	19.185	ug/l	100
94) Hexachlorobutadiene	15.24	225	44134	18.899	ug/l	100
95) Naphthalene	15.37	128	126639	20.750	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	67816	20.686	ug/l	97

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

