

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011163.D
 Acq On : 08 Jul 2019 16:19
 Operator : SY/VA
 Sample : VW0708SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:13:11 PM

Quant Time: Jul 09 07:04:19 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	238704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	390184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	345123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	144639	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	7.88	113	114124	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.32	98	472261	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.62	95	170287	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	37302	20.953	ug/l	96
3) Chloromethane	2.21	50	47240	20.593	ug/l	99
4) Vinyl Chloride	2.36	62	61686	20.545	ug/l	98
5) Bromomethane	2.76	94	31101	20.614	ug/l	97
6) Chloroethane	2.91	64	31488	19.471	ug/l	100
7) Trichlorofluoromethane	3.24	101	19666	18.437	ug/l	94
8) Diethyl Ether	3.67	74	27660	18.742	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49971	19.559	ug/l	99
10) Methyl Iodide	4.26	142	68318	19.442	ug/l	99
11) Tert butyl alcohol	5.17	59	19998	90.054	ug/l	100
12) 1,1-Dichloroethene	4.03	96	51518	19.428	ug/l	94
13) Acrolein	3.89	56	15719	88.893	ug/l	93
14) Allyl chloride	4.66	41	95095	19.666	ug/l	99
15) Acrylonitrile	5.36	53	71505	95.133	ug/l	99
16) Acetone	4.12	43	65931	91.356	ug/l	97
17) Carbon Disulfide	4.38	76	150272	18.692	ug/l	99
18) Methyl Acetate	4.66	43	50075	23.655	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	75994	18.887	ug/l	98
20) Methylene Chloride	4.91	84	58066	20.395	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	54271	19.696	ug/l	94
22) Diisopropyl ether	6.31	45	204743	19.686	ug/l	97
23) Vinyl Acetate	6.24	43	582057	90.430	ug/l	100
24) 1,1-Dichloroethane	6.21	63	109677	20.082	ug/l	97
25) 2-Butanone	7.17	43	104053	91.849	ug/l	98
26) 2,2-Dichloropropane	7.16	77	55431	19.525	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	57796	19.445	ug/l	98
28) Bromochloromethane	7.51	49	48168	19.397	ug/l	99
29) Tetrahydrofuran	7.52	42	68396	92.075	ug/l	99
30) Chloroform	7.67	83	99424	19.657	ug/l	98
31) Cyclohexane	7.95	56	111866	19.253	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	75145	19.531	ug/l	99
36) 1,1-Dichloropropene	8.07	75	82976	19.970	ug/l	99
37) Ethyl Acetate	7.24	43	45409	18.189	ug/l	99
38) Carbon Tetrachloride	8.06	117	68808	19.535	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	96756	19.212	ug/l	97
40) Benzene	8.32	78	229504	19.986	ug/l	99
41) Methacrylonitrile	7.48	41	26182	18.337	ug/l	97
42) 1,2-Dichloroethane	8.40	62	72746	19.529	ug/l	99
43) Isopropyl Acetate	8.42	43	87647	18.596	ug/l	99
44) Trichloroethene	9.09	130	54026	19.551	ug/l	96
45) 1,2-Dichloropropane	9.37	63	61408	19.748	ug/l	98
46) Dibromomethane	9.46	93	28331	19.395	ug/l	98
47) Bromodichloromethane	9.64	83	72102	19.291	ug/l	99
48) Methyl methacrylate	9.43	41	42747	18.851	ug/l	99
49) 1,4-Dioxane	9.45	88	9064	371.749	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	230331	93.550	ug/l	100
52) Toluene	10.38	92	139978	20.095	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73992	18.599	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	88839	18.972	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40840	19.708	ug/l	97
56) Ethyl methacrylate	10.64	69	58668	18.595	ug/l	97
57) 1,3-Dichloropropane	10.93	76	75891	19.367	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	147604	100.916	ug/l	99
59) 2-Hexanone	10.97	43	157250	92.095	ug/l	99
60) Dibromochloromethane	11.13	129	42792	18.831	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37473	19.091	ug/l	100
64) Tetrachloroethene	10.86	164	45852	19.689	ug/l	98
65) Chlorobenzene	11.66	112	138850	19.788	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	47986	19.423	ug/l	99
67) Ethyl Benzene	11.73	91	265269	19.748	ug/l	98
68) m/p-Xylenes	11.84	106	193782	39.869	ug/l	99
69) o-Xylene	12.16	106	89574	19.553	ug/l	99
70) Styrene	12.18	104	156342	19.775	ug/l	99
71) Bromoform	12.35	173	23532	17.914	ug/l #	98
73) Isopropylbenzene	12.46	105	247464	19.854	ug/l	99
74) N-amyl acetate	12.27	43	80510	18.547	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48199	18.865	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	33935m	17.612	ug/l	
77) Bromobenzene	12.75	156	55378	19.798	ug/l	98
78) n-propylbenzene	12.80	91	302138	19.678	ug/l	100
79) 2-Chlorotoluene	12.89	91	173618	19.650	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	210220	19.853	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15171	17.809	ug/l	98
82) 4-Chlorotoluene	12.99	91	181495	19.722	ug/l	99
83) tert-Butylbenzene	13.21	119	175332	19.854	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	209464	19.701	ug/l	99
85) sec-Butylbenzene	13.38	105	248517	19.503	ug/l	100
86) p-Isopropyltoluene	13.50	119	222180	19.440	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	106946	19.872	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	107353	19.810	ug/l	99
89) n-Butylbenzene	13.82	91	221432	19.422	ug/l	99
90) Hexachloroethane	14.10	117	38084	18.235	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	94980	19.454	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7896	17.423	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	63693	18.940	ug/l	99
94) Hexachlorobutadiene	15.24	225	39026	18.903	ug/l	100
95) Naphthalene	15.37	128	118127	18.331	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57367	19.329	ug/l	98

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

