

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011349.D
 Acq On : 18 Jul 2019 23:22
 Operator : SY/VA
 Sample : VW0718SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 9:51:20 AM

Quant Time: Jul 19 08:04:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	180045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	310361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	282297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	139318	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	110146	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
35) Dibromofluoromethane	7.88	113	85009	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
50) Toluene-d8	10.32	98	335925	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	
62) 4-Bromofluorobenzene	12.62	95	124858	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	24597	18.318	ug/l	98
3) Chloromethane	2.21	50	36642	21.177	ug/l	98
4) Vinyl Chloride	2.35	62	41188	18.187	ug/l	96
5) Bromomethane	2.75	94	21123	18.562	ug/l	90
6) Chloroethane	2.90	64	22148	18.157	ug/l	99
7) Trichlorofluoromethane	3.23	101	11321	14.072	ug/l	97
8) Diethyl Ether	3.67	74	22636	20.335	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	34915	18.118	ug/l	98
10) Methyl Iodide	4.26	142	50166	18.927	ug/l	99
11) Tert butyl alcohol	5.17	59	23143	138.171	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	36453	18.225	ug/l	96
13) Acrolein	3.88	56	11052	82.864	ug/l	96
14) Allyl chloride	4.65	41	63643	17.449	ug/l	99
15) Acrylonitrile	5.36	53	62012	109.382	ug/l	99
16) Acetone	4.12	43	60817	111.725	ug/l	99
17) Carbon Disulfide	4.37	76	99594	16.425	ug/l	98
18) Methyl Acetate	4.66	43	45044	28.491	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	64244	21.169	ug/l	98
20) Methylene Chloride	4.91	84	54015	25.154	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	40739	19.602	ug/l	98
22) Diisopropyl ether	6.31	45	162280	20.687	ug/l	99
23) Vinyl Acetate	6.24	43	467175	96.229	ug/l	100
24) 1,1-Dichloroethane	6.21	63	82453	20.016	ug/l	99
25) 2-Butanone	7.17	43	100186	117.249	ug/l	98
26) 2,2-Dichloropropane	7.16	77	40607	18.964	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	45811	20.434	ug/l	98
28) Bromochloromethane	7.51	49	41431	22.119	ug/l	100
29) Tetrahydrofuran	7.52	42	63248	112.885	ug/l	99
30) Chloroform	7.67	83	76746	20.117	ug/l	99
31) Cyclohexane	7.95	56	77157	17.606	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	53544	18.451	ug/l	98
36) 1,1-Dichloropropene	8.08	75	59044	17.865	ug/l	100
37) Ethyl Acetate	7.25	43	42480	21.392	ug/l	99
38) Carbon Tetrachloride	8.06	117	48258	17.224	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	67433	16.833	ug/l	97
40) Benzene	8.32	78	176455	19.319	ug/l	100
41) Methacrylonitrile	7.48	41	22716	20.001	ug/l	99
42) 1,2-Dichloroethane	8.40	62	58724	19.819	ug/l	99
43) Isopropyl Acetate	8.42	43	76849	20.498	ug/l	99
44) Trichloroethene	9.09	130	41196	18.743	ug/l	99
45) 1,2-Dichloropropane	9.37	63	48455	19.590	ug/l	98
46) Dibromomethane	9.46	93	23335	20.084	ug/l	99
47) Bromodichloromethane	9.64	83	56358	18.957	ug/l	99
48) Methyl methacrylate	9.43	41	35926	19.918	ug/l	96
49) 1,4-Dioxane	9.45	88	8146	420.027	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	213881	109.210	ug/l	99
52) Toluene	10.38	92	105280	19.001	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	56012	17.700	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	67632	18.158	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	33873	20.550	ug/l	97
56) Ethyl methacrylate	10.65	69	50701	20.203	ug/l	99
57) 1,3-Dichloropropane	10.93	76	63665	20.425	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	107431	92.340	ug/l	99
59) 2-Hexanone	10.97	43	142510	104.928	ug/l	100
60) Dibromochloromethane	11.13	129	34467	19.069	ug/l	100
61) 1,2-Dibromoethane	11.23	107	31041	19.881	ug/l	98
64) Tetrachloroethene	10.86	164	37750	19.817	ug/l	98
65) Chlorobenzene	11.66	112	108394	18.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	37595	18.604	ug/l	99
67) Ethyl Benzene	11.73	91	202121	18.396	ug/l	100
68) m/p-Xylenes	11.84	106	145509	36.600	ug/l	99
69) o-Xylene	12.16	106	67897	18.120	ug/l	95
70) Styrene	12.18	104	123440	19.088	ug/l	100
71) Bromoform	12.35	173	19453	18.105	ug/l #	98
73) Isopropylbenzene	12.46	105	186692	17.926	ug/l	100
74) N-amyl acetate	12.27	43	70365	19.400	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	42422	19.871	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	30396m	18.880	ug/l	
77) Bromobenzene	12.74	156	44371	18.985	ug/l	99
78) n-propylbenzene	12.80	91	230811	17.991	ug/l	100
79) 2-Chlorotoluene	12.89	91	135733	18.386	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	161603	18.265	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11072	15.555	ug/l	94
82) 4-Chlorotoluene	12.99	91	144525	18.795	ug/l	99
83) tert-Butylbenzene	13.21	119	131743	17.854	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	165310	18.607	ug/l	98
85) sec-Butylbenzene	13.38	105	188948	17.746	ug/l	100
86) p-Isopropyltoluene	13.50	119	172344	18.047	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	86103	19.148	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	85846	18.958	ug/l	98
89) n-Butylbenzene	13.82	91	168392	17.676	ug/l	99
90) Hexachloroethane	14.10	117	28922	16.573	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	77995	19.119	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7124	18.813	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	54782	19.496	ug/l	97
94) Hexachlorobutadiene	15.24	225	31746	18.402	ug/l	99
95) Naphthalene	15.37	128	105785	19.646	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	48707	19.641	ug/l	98

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

