

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
 Data File : VW008041.D
 Acq On : 04 Jan 2019 12:24
 Operator : SY/AP
 Sample : VW0104SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 1:22:45 PM

Quant Time: Jan 05 00:57:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	75576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	121358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	104419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	49621	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	43442	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
35) Dibromofluoromethane	7.88	113	38736	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
50) Toluene-d8	10.32	98	149053	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	12.62	95	48761	44.30	ug/l	0.00
Spiked Amount			Recovery	=	88.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	12608m	18.179	ug/l	
3) Chloromethane	2.21	50	9424	18.316	ug/l	97
4) Vinyl Chloride	2.37	62	13543	20.381	ug/l	98
5) Bromomethane	2.78	94	7520	17.812	ug/l	91
6) Chloroethane	2.92	64	6544	19.268	ug/l	96
7) Trichlorofluoromethane	3.26	101	12165	18.237	ug/l	95
8) Diethyl Ether	3.68	74	6968	20.338	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15637	19.726	ug/l	99
10) Methyl Iodide	4.26	142	25038	19.633	ug/l	98
11) Tert butyl alcohol	5.20	59	4515	83.138	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	14797	19.501	ug/l	94
13) Acrolein	3.89	56	3492	94.902	ug/l	98
14) Allyl chloride	4.66	41	20390	19.836	ug/l	99
15) Acrylonitrile	5.37	53	12609	100.062	ug/l	98
16) Acetone	4.13	43	14024	108.380	ug/l	94
17) Carbon Disulfide	4.37	76	44828	19.341	ug/l	98
18) Methyl Acetate	4.67	43	6589	19.635	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	23383	19.582	ug/l	96
20) Methylene Chloride	4.90	84	16269	18.910	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	15999	19.380	ug/l	94
22) Diisopropyl ether	6.31	45	37647	20.404	ug/l	99
23) Vinyl Acetate	6.26	43	105623	102.316	ug/l	97
24) 1,1-Dichloroethane	6.21	63	27233	19.865	ug/l	99
25) 2-Butanone	7.17	43	16223	106.411	ug/l	100
26) 2,2-Dichloropropane	7.17	77	22808	20.194	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	17278	19.648	ug/l	98
28) Bromochloromethane	7.51	49	8717	19.783	ug/l	96
29) Tetrahydrofuran	7.52	42	9255	97.731	ug/l	98
30) Chloroform	7.68	83	30287	19.713	ug/l	94
31) Cyclohexane	7.95	56	25283	19.787	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	28941	19.685	ug/l	99
36) 1,1-Dichloropropene	8.08	75	23810	19.889	ug/l	100
37) Ethyl Acetate	7.25	43	7216	20.067	ug/l	99
38) Carbon Tetrachloride	8.07	117	27622	19.253	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	29636	19.860	ug/l	99
40) Benzene	8.32	78	63086	19.975	ug/l	100
41) Methacrylonitrile	7.48	41	4857	22.972	ug/l	97
42) 1,2-Dichloroethane	8.40	62	19992	18.999	ug/l	98
43) Isopropyl Acetate	8.43	43	14646	20.384	ug/l	99
44) Trichloroethene	9.09	130	18252	19.585	ug/l	98
45) 1,2-Dichloropropane	9.37	63	14107	20.636	ug/l	91
46) Dibromomethane	9.46	93	8003	20.024	ug/l	98
47) Bromodichloromethane	9.65	83	22397	20.007	ug/l	99
48) Methyl methacrylate	9.43	41	7539	20.810	ug/l	94
49) 1,4-Dioxane	9.47	88	1831	309.574	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	34318	103.185	ug/l	99
52) Toluene	10.39	92	42245	20.262	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	21050	19.555	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	24007	19.986	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	10818	19.991	ug/l	96
56) Ethyl methacrylate	10.65	69	12711	20.778	ug/l	95
57) 1,3-Dichloropropane	10.93	76	18303	19.906	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	30964	106.724	ug/l	99
59) 2-Hexanone	10.97	43	24290	105.791	ug/l	99
60) Dibromochloromethane	11.13	129	13771	18.591	ug/l	99
61) 1,2-Dibromoethane	11.24	107	10832	20.003	ug/l	90
64) Tetrachloroethene	10.86	164	14366	19.917	ug/l	87
65) Chlorobenzene	11.66	112	43018	19.276	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	15625	19.334	ug/l	97
67) Ethyl Benzene	11.73	91	75301	19.010	ug/l	93
68) m/p-Xylenes	11.84	106	57739	37.703	ug/l	97
69) o-Xylene	12.17	106	27759	19.481	ug/l	100
70) Styrene	12.18	104	43700	18.815	ug/l	97
71) Bromoform	12.35	173	7262	19.395	ug/l #	97
73) Isopropylbenzene	12.46	105	81365	20.621	ug/l	100
74) N-amyl acetate	12.27	43	11933	19.429	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	10619	21.151	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	8739m	22.138	ug/l	
77) Bromobenzene	12.75	156	17088	20.149	ug/l	96
78) n-propylbenzene	12.80	91	91191	19.933	ug/l	97
79) 2-Chlorotoluene	12.89	91	50965	19.276	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	67634	19.914	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	3440	20.608	ug/l	91
82) 4-Chlorotoluene	12.99	91	55966	19.906	ug/l	99
83) tert-Butylbenzene	13.21	119	60645	20.409	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	67917	19.742	ug/l	97
85) sec-Butylbenzene	13.39	105	82420	20.163	ug/l	98
86) p-Isopropyltoluene	13.51	119	77439	21.003	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	37392	21.851	ug/l	91
88) 1,4-Dichlorobenzene	13.58	146	34517	20.374	ug/l	98
89) n-Butylbenzene	13.83	91	64717	19.189	ug/l	96
90) Hexachloroethane	14.10	117	12038	18.816	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	28581	19.007	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1933	18.970	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	19974	18.912	ug/l	96
94) Hexachlorobutadiene	15.24	225	12377	20.297	ug/l	96
95) Naphthalene	15.38	128	36098	20.069	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	16819	19.354	ug/l	97

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

