

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007825.D
 Acq On : 22 Dec 2018 07:05
 Operator : SY/AP
 Sample : VW1223SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:00:12 AM

Quant Time: Dec 24 00:04:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	64956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	108291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	98906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49307	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	40589	57.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.02%	
35) Dibromofluoromethane	7.88	113	35541	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
50) Toluene-d8	10.32	98	137478	55.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.40%	
62) 4-Bromofluorobenzene	12.62	95	53360	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	9850	17.058	ug/l	95
3) Chloromethane	2.22	50	9489	26.761	ug/l	99
4) Vinyl Chloride	2.37	62	11316	25.070	ug/l	96
5) Bromomethane	2.78	94	7413	23.579	ug/l	99
6) Chloroethane	2.93	64	5960	24.681	ug/l	93
7) Trichlorofluoromethane	3.26	101	8207	17.464	ug/l	94
8) Diethyl Ether	3.67	74	7386	25.661	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14394	20.798	ug/l	99
10) Methyl Iodide	4.26	142	23217	21.095	ug/l	97
11) Tert butyl alcohol	5.17	59	6962	144.962	ug/l	99
12) 1,1-Dichloroethene	4.03	96	13740	21.440	ug/l	94
13) Acrolein	3.89	56	4420	115.104	ug/l	93
14) Allyl chloride	4.67	41	18939	22.535	ug/l	93
15) Acrylonitrile	5.37	53	16780	136.667	ug/l	100
16) Acetone	4.13	43	14210	106.587	ug/l	90
17) Carbon Disulfide	4.38	76	37074	18.694	ug/l	99
18) Methyl Acetate	4.67	43	9063	28.584	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	24489	26.617	ug/l	95
20) Methylene Chloride	4.91	84	16901	21.792	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	15056	21.361	ug/l	98
22) Diisopropyl ether	6.32	45	38843	24.683	ug/l	96
23) Vinyl Acetate	6.26	43	114859	122.851	ug/l	98
24) 1,1-Dichloroethane	6.21	63	26253	22.678	ug/l	98
25) 2-Butanone	7.17	43	20447	130.940	ug/l	97
26) 2,2-Dichloropropane	7.17	77	15168	17.905	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	16665	22.193	ug/l	99
28) Bromochloromethane	7.51	49	8889	22.520	ug/l	96
29) Tetrahydrofuran	7.53	42	13581	145.806	ug/l	94
30) Chloroform	7.68	83	27206	20.766	ug/l	94
31) Cyclohexane	7.95	56	23351	22.033	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	24071	20.174	ug/l	99
36) 1,1-Dichloropropene	8.08	75	20975	20.068	ug/l	99
37) Ethyl Acetate	7.25	43	9325	25.852	ug/l	97
38) Carbon Tetrachloride	8.07	117	21730	17.653	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	26069	20.072	ug/l	93
40) Benzene	8.32	78	59371	21.287	ug/l	99
41) Methacrylonitrile	7.49	41	5469	26.705	ug/l	96
42) 1,2-Dichloroethane	8.40	62	19785	21.168	ug/l	99
43) Isopropyl Acetate	8.43	43	18857	26.093	ug/l	97
44) Trichloroethene	9.09	130	17483	20.728	ug/l	100
45) 1,2-Dichloropropane	9.37	63	14230	22.993	ug/l	97
46) Dibromomethane	9.46	93	8429	22.126	ug/l	96
47) Bromodichloromethane	9.64	83	19227	19.198	ug/l	96
48) Methyl methacrylate	9.44	41	9781m	27.115	ug/l	
49) 1,4-Dioxane	9.45	88	3278	542.716	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	45170	132.256	ug/l	99
52) Toluene	10.39	92	39034	20.859	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	20096	20.173	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	22287	20.254	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	11806	22.479	ug/l	97
56) Ethyl methacrylate	10.65	69	15336	24.715	ug/l	97
57) 1,3-Dichloropropane	10.93	76	20745	23.787	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	37862	133.641	ug/l	98
59) 2-Hexanone	10.97	43	31615	131.625	ug/l	99
60) Dibromochloromethane	11.13	129	13162	18.928	ug/l	99
61) 1,2-Dibromoethane	11.24	107	12223	22.982	ug/l	99
64) Tetrachloroethene	10.86	164	15837	22.612	ug/l	94
65) Chlorobenzene	11.66	112	44683	20.873	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	14891	19.467	ug/l	97
67) Ethyl Benzene	11.73	91	77318	21.047	ug/l	99
68) m/p-Xylenes	11.84	106	59822	41.980	ug/l	100
69) o-Xylene	12.17	106	28285	21.175	ug/l	99
70) Styrene	12.18	104	47248	21.518	ug/l	98
71) Bromoform	12.35	173	7351	18.512	ug/l #	97
73) Isopropylbenzene	12.47	105	80071	21.484	ug/l	99
74) N-amyl acetate	12.27	43	17189	26.626	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	13397	23.974	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	10539m	27.654	ug/l	
77) Bromobenzene	12.75	156	18011	21.086	ug/l	94
78) n-propylbenzene	12.81	91	92357	21.288	ug/l	100
79) 2-Chlorotoluene	12.90	91	54490	21.560	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	69446	21.602	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	3817	21.024	ug/l	96
82) 4-Chlorotoluene	12.99	91	56722	21.078	ug/l	99
83) tert-Butylbenzene	13.21	119	61394	21.765	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	70337	21.682	ug/l	99
85) sec-Butylbenzene	13.39	105	84654	21.776	ug/l	98
86) p-Isopropyltoluene	13.50	119	74648	21.117	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	35907	21.173	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	35667	21.025	ug/l	99
89) n-Butylbenzene	13.83	91	66674	20.571	ug/l	99
90) Hexachloroethane	14.10	117	10982	17.695	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	32294	21.268	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2521	21.968	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	22148	21.013	ug/l	99
94) Hexachlorobutadiene	15.24	225	11717	20.801	ug/l	100
95) Naphthalene	15.37	128	48821	25.054	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	19953	22.115	ug/l	99

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

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