

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007840.D
 Acq On : 22 Dec 2018 13:36
 Operator : SY/AP
 Sample : J6386-13MS
 Misc : 6.02G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01MS

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:01:28 AM

Quant Time: Dec 24 01:38:38 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	64817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	110791	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	83666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	27687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	39327	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
35) Dibromofluoromethane	7.88	113	35046	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
50) Toluene-d8	10.32	98	118996	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.62	95	36699	37.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	28956	50.252	ug/l	99
3) Chloromethane	2.22	50	24836	70.192	ug/l	96
4) Vinyl Chloride	2.37	62	32217	71.528	ug/l	97
5) Bromomethane	2.79	94	21523	68.607	ug/l	88
6) Chloroethane	2.93	64	18144	75.297	ug/l	96
7) Trichlorofluoromethane	3.26	101	22812	48.648	ug/l	96
8) Diethyl Ether	3.68	74	18805	65.473	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.06	101	29288	42.409	ug/l	98
10) Methyl Iodide	4.27	142	59689	54.349	ug/l	94
11) Tert butyl alcohol	5.17	59	13630	284.411	ug/l	99
12) 1,1-Dichloroethene	4.03	96	33687	52.677	ug/l	97
13) Acrolein	3.89	56	5505	143.667	ug/l	99
14) Allyl chloride	4.67	41	53548	63.853	ug/l	91
15) Acrylonitrile	5.37	53	38159	311.457	ug/l	98
16) Acetone	4.12	43	75920	570.683	ug/l	95
17) Carbon Disulfide	4.37	76	97707	49.373	ug/l	99
18) Methyl Acetate	4.67	43	58014	183.366	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	63464	69.127	ug/l	95
20) Methylene Chloride	4.91	84	38327	58.707	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	37034	52.656	ug/l	92
22) Diisopropyl ether	6.31	45	104001	66.231	ug/l	96
23) Vinyl Acetate	6.26	43	51402	55.096	ug/l	98
24) 1,1-Dichloroethane	6.21	63	65544	56.739	ug/l	99
25) 2-Butanone	7.17	43	46299	297.129	ug/l	93
26) 2,2-Dichloropropane	7.17	77	45547	53.881	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	41737	55.700	ug/l	98
28) Bromochloromethane	7.51	49	25067	63.644	ug/l	92
29) Tetrahydrofuran	7.53	42	30416	327.248	ug/l	97
30) Chloroform	7.68	83	69594	53.234	ug/l	98
31) Cyclohexane	7.95	56	39790	37.625	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	57519	48.309	ug/l	99
36) 1,1-Dichloropropene	8.08	75	47989	44.878	ug/l	99
37) Ethyl Acetate	7.26	43	12765	34.590	ug/l	98
38) Carbon Tetrachloride	8.07	117	47200	37.480	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	33678	25.345	ug/l	95
40) Benzene	8.32	78	148680	52.104	ug/l	99
41) Methacrylonitrile	7.49	41	14589	69.629	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	48466	50.683	ug/l	98
43) Isopropyl Acetate	8.43	43	31031	41.970	ug/l	96
44) Trichloroethene	9.09	130	37463	43.413	ug/l	99
45) 1,2-Dichloropropane	9.37	63	35141	55.501	ug/l	99
46) Dibromomethane	9.46	93	19595	50.275	ug/l	99
47) Bromodichloromethane	9.65	83	47979	46.825	ug/l	100
48) Methyl methacrylate	9.43	41	26129	70.800	ug/l	93
49) 1,4-Dioxane	9.45	88	6274	1015.304	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	99744	285.457	ug/l	100
52) Toluene	10.39	92	121751	63.594	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	50578	49.626	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	57266	50.869	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	28725	53.460	ug/l	93
56) Ethyl methacrylate	10.65	69	21775	34.300	ug/l	91
57) 1,3-Dichloropropane	10.93	76	47618	53.369	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	88347	304.801	ug/l	99
59) 2-Hexanone	10.97	43	65681	267.283	ug/l	98
60) Dibromochloromethane	11.13	129	30665	43.103	ug/l	100
61) 1,2-Dibromoethane	11.24	107	27664	50.842	ug/l	100
64) Tetrachloroethene	10.86	164	23512	39.685	ug/l	98
65) Chlorobenzene	11.66	112	87634	48.393	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	32011	49.471	ug/l	98
67) Ethyl Benzene	11.73	91	147028	47.314	ug/l	97
68) m/p-Xylenes	11.84	106	120385	99.868	ug/l	100
69) o-Xylene	12.17	106	56133	49.678	ug/l	95
70) Styrene	12.18	104	86939	46.807	ug/l	100
71) Bromoform	12.35	173	15533	46.243	ug/l #	99
73) Isopropylbenzene	12.47	105	120401	57.530	ug/l	97
74) N-amyl acetate	12.27	43	14842	40.942	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	27430	87.416	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	22683m	105.998	ug/l	
77) Bromobenzene	12.75	156	31694	66.081	ug/l	93
78) n-propylbenzene	12.81	91	122272	50.190	ug/l	99
79) 2-Chlorotoluene	12.90	91	79038	55.692	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	90098	49.910	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	9015	88.428	ug/l	95
82) 4-Chlorotoluene	12.99	91	84176	55.705	ug/l	99
83) tert-Butylbenzene	13.21	119	72782	45.950	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	92882	50.990	ug/l	100
85) sec-Butylbenzene	13.39	105	84156	38.551	ug/l	98
86) p-Isopropyltoluene	13.51	119	76477	38.528	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	45498	47.778	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	47751	50.129	ug/l	99
89) n-Butylbenzene	13.83	91	59270	32.566	ug/l	99
90) Hexachloroethane	14.10	117	10684	30.658	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	41542	48.723	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4727	73.355	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	14994	25.334	ug/l	98
94) Hexachlorobutadiene	15.24	225	5705	18.037	ug/l	98
95) Naphthalene	15.37	128	49825	45.535	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	11682	23.059	ug/l	99

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

