

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007841.D
 Acq On : 22 Dec 2018 13:59
 Operator : SY/AP
 Sample : J6386-14MSD
 Misc : 6.32G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:01:34 AM

Quant Time: Dec 24 01:40:14 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	18452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	32179	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	24835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	8341	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	13496	66.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.46%	
35) Dibromofluoromethane	7.89	113	11248	57.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.60%	
50) Toluene-d8	10.32	98	36052	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.62	95	11234	39.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	7929	48.337	ug/l	97
3) Chloromethane	2.21	50	8214	81.547	ug/l	94
4) Vinyl Chloride	2.37	62	10227	79.760	ug/l	100
5) Bromomethane	2.79	94	7619	85.312	ug/l	94
6) Chloroethane	2.93	64	6201	90.397	ug/l	99
7) Trichlorofluoromethane	3.26	101	14113	105.722	ug/l	96
8) Diethyl Ether	3.68	74	7173	87.727	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.07	101	8604	43.764	ug/l	95
10) Methyl Iodide	4.27	142	19716	63.061	ug/l	96
11) Tert butyl alcohol	5.17	59	5984	438.619	ug/l	100
12) 1,1-Dichloroethene	4.04	96	10411	57.187	ug/l	92
13) Acrolein	3.90	56	2553	234.043	ug/l	98
14) Allyl chloride	4.67	41	17706	74.166	ug/l	89
15) Acrylonitrile	5.37	53	16592	475.713	ug/l	99
16) Acetone	4.12	43	31831	840.494	ug/l	98
17) Carbon Disulfide	4.37	76	29689	52.699	ug/l	99
18) Methyl Acetate	4.68	43	24308	269.887	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	36877	141.098	ug/l	96
20) Methylene Chloride	4.92	84	13458	74.097	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	12221	61.037	ug/l	96
22) Diisopropyl ether	6.32	45	38498	86.121	ug/l	97
23) Vinyl Acetate	6.26	43	23366	87.978	ug/l	97
24) 1,1-Dichloroethane	6.22	63	22059	67.078	ug/l	99
25) 2-Butanone	7.18	43	20394	459.749	ug/l	97
26) 2,2-Dichloropropane	7.18	77	19111	79.416	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	14671	68.776	ug/l	97
28) Bromochloromethane	7.51	49	8613	76.816	ug/l	92
29) Tetrahydrofuran	7.53	42	13604	514.146	ug/l	98
30) Chloroform	7.68	83	23740	63.789	ug/l	99
31) Cyclohexane	7.96	56	12410	41.221	ug/l #	82
32) 1,1,1-Trichloroethane	7.87	97	19559	57.705	ug/l	98
36) 1,1-Dichloropropene	8.09	75	15289	49.226	ug/l	99
37) Ethyl Acetate	7.26	43	5655	52.758	ug/l	99
38) Carbon Tetrachloride	8.07	117	15147	41.411	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	10663	27.629	ug/l	95
40) Benzene	8.33	78	50299	60.690	ug/l	97
41) Methacrylonitrile	7.49	41	5035	82.737	ug/l	98
42) 1,2-Dichloroethane	8.40	62	19166	69.006	ug/l	98
43) Isopropyl Acetate	8.43	43	13051	60.775	ug/l	96
44) Trichloroethene	9.10	130	12836	51.213	ug/l	90
45) 1,2-Dichloropropane	9.37	63	12244	66.580	ug/l	99
46) Dibromomethane	9.46	93	8143	71.932	ug/l	97
47) Bromodichloromethane	9.65	83	16964	57.002	ug/l	96
48) Methyl methacrylate	9.44	41	11120	103.740	ug/l	92
49) 1,4-Dioxane	9.45	88	2658	1480.943	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	43821	431.786	ug/l	100
52) Toluene	10.39	92	53718	96.604	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	19559	66.074	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	21163	64.724	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	11112	71.202	ug/l	95
56) Ethyl methacrylate	10.65	69	9543	51.755	ug/l #	93
57) 1,3-Dichloropropane	10.94	76	18707	72.186	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	31966	379.704	ug/l	97
59) 2-Hexanone	10.97	43	28974	405.950	ug/l	100
60) Dibromochloromethane	11.13	129	11544	55.866	ug/l	99
61) 1,2-Dibromoethane	11.24	107	11075	70.078	ug/l	98
64) Tetrachloroethene	10.87	164	7484	42.556	ug/l	90
65) Chlorobenzene	11.66	112	29505	54.889	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	11248	58.562	ug/l	97
67) Ethyl Benzene	11.73	91	51618	55.960	ug/l	95
68) m/p-Xylenes	11.84	106	46040	128.670	ug/l	99
69) o-Xylene	12.17	106	20641	61.540	ug/l	97
70) Styrene	12.18	104	29157	52.884	ug/l	98
71) Bromoform	12.35	173	5974	59.915	ug/l #	99
73) Isopropylbenzene	12.47	105	37937	60.171	ug/l	98
74) N-amyl acetate	12.27	43	6223	56.982	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	11517	121.833	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	11239m	174.334	ug/l	
77) Bromobenzene	12.75	156	11133	77.049	ug/l	88
78) n-propylbenzene	12.81	91	38953	53.075	ug/l	98
79) 2-Chlorotoluene	12.90	91	26165	61.198	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	28854	53.056	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	3816	124.248	ug/l	91
82) 4-Chlorotoluene	12.99	91	28461	62.519	ug/l	99
83) tert-Butylbenzene	13.21	119	23281	48.789	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	30369	55.341	ug/l	96
85) sec-Butylbenzene	13.39	105	27356	41.597	ug/l	98
86) p-Isopropyltoluene	13.50	119	24087	40.279	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	15193	52.958	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	16516	57.553	ug/l	98
89) n-Butylbenzene	13.83	91	18369	33.502	ug/l	98
90) Hexachloroethane	14.10	117	3258	31.033	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	14756	57.448	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1657	85.354	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	4906	27.516	ug/l	98
94) Hexachlorobutadiene	15.24	225	1923	20.181	ug/l	93
95) Naphthalene	15.38	128	18340	55.636	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	3614	23.679	ug/l	96

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

