

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122518\
 Data File : VW007894.D
 Acq On : 24 Dec 2018 17:35
 Operator : SY/AP
 Sample : J6446-14MS
 Misc : 3.84G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS022-0612-01MS

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 4:39:09 PM

Quant Time: Dec 25 03:35:36 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	58536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	96614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	69856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	23373	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	36359	56.67	ug/l	0.00
Spiked Amount			Recovery	=	113.34%	
35) Dibromofluoromethane	7.88	113	30621	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
50) Toluene-d8	10.32	98	95838	43.13	ug/l	0.00
Spiked Amount			Recovery	=	86.26%	
62) 4-Bromofluorobenzene	12.62	95	26939	31.38	ug/l	0.00
Spiked Amount			Recovery	=	62.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	25776	49.533	ug/l	93
3) Chloromethane	2.21	50	23710	74.200	ug/l	95
4) Vinyl Chloride	2.37	62	28059	68.981	ug/l	96
5) Bromomethane	2.78	94	17527	61.864	ug/l	98
6) Chloroethane	2.93	64	15412	70.822	ug/l	97
7) Trichlorofluoromethane	3.26	101	19222	45.390	ug/l	95
8) Diethyl Ether	3.68	74	15999	61.680	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.06	101	27679	44.380	ug/l	98
10) Methyl Iodide	4.27	142	46823	47.208	ug/l	97
11) Tert butyl alcohol	5.18	59	11633	268.787	ug/l	99
12) 1,1-Dichloroethene	4.04	96	29099	50.385	ug/l	96
13) Acrolein	3.90	56	3170	91.606	ug/l	99
14) Allyl chloride	4.66	41	45620	60.236	ug/l	92
15) Acrylonitrile	5.37	53	29721	268.615	ug/l	99
16) Acetone	4.12	43	24202	201.445	ug/l	98
17) Carbon Disulfide	4.37	76	80218	44.885	ug/l	98
18) Methyl Acetate	4.67	43	45531	159.353	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	54219	65.394	ug/l	93
20) Methylene Chloride	4.91	84	31205	52.216	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	31335	49.333	ug/l	98
22) Diisopropyl ether	6.31	45	93263	65.766	ug/l	97
23) Vinyl Acetate	6.26	43	60072	71.299	ug/l	97
24) 1,1-Dichloroethane	6.21	63	57132	54.764	ug/l	99
25) 2-Butanone	7.17	43	37302	265.076	ug/l	92
26) 2,2-Dichloropropane	7.17	77	38959	51.033	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	34505	50.989	ug/l	96
28) Bromochloromethane	7.51	49	19334	54.355	ug/l	88
29) Tetrahydrofuran	7.53	42	25968	309.370	ug/l	94
30) Chloroform	7.68	83	58783	49.789	ug/l	97
31) Cyclohexane	7.96	56	38345	40.149	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	50272	46.753	ug/l	98
36) 1,1-Dichloropropene	8.08	75	40087	42.989	ug/l	98
37) Ethyl Acetate	7.26	43	11688	36.319	ug/l	99
38) Carbon Tetrachloride	8.07	117	43408	39.527	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	35397	30.548	ug/l	97
40) Benzene	8.32	78	121111	48.671	ug/l	99
41) Methacrylonitrile	7.48	41	7966	43.598	ug/l	95
42) 1,2-Dichloroethane	8.40	62	40540	48.615	ug/l	98
43) Isopropyl Acetate	8.43	43	27191	42.173	ug/l	97
44) Trichloroethene	9.09	130	31075	41.295	ug/l	98
45) 1,2-Dichloropropane	9.37	63	29244	52.965	ug/l	100
46) Dibromomethane	9.46	93	15405	45.324	ug/l	97
47) Bromodichloromethane	9.65	83	39699	44.429	ug/l	99
48) Methyl methacrylate	9.44	41	21627	67.200	ug/l	90
49) 1,4-Dioxane	9.45	88	5017	931.022	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	84801	278.304	ug/l	97
52) Toluene	10.39	92	70423	42.182	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	38861	43.725	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	44595	45.426	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	21220	45.288	ug/l	98
56) Ethyl methacrylate	10.65	69	17395	31.421	ug/l	92
57) 1,3-Dichloropropane	10.93	76	36518	46.934	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	61004	241.350	ug/l	98
59) 2-Hexanone	10.97	43	54819	255.816	ug/l	97
60) Dibromochloromethane	11.13	129	24031	38.734	ug/l	99
61) 1,2-Dibromoethane	11.24	107	20168	42.504	ug/l	100
64) Tetrachloroethene	10.87	164	20704	41.854	ug/l	98
65) Chlorobenzene	11.66	112	68437	45.263	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	26262	48.610	ug/l	97
67) Ethyl Benzene	11.73	91	121128	46.685	ug/l	95
68) m/p-Xylenes	11.84	106	90898	90.314	ug/l	100
69) o-Xylene	12.17	106	44075	46.718	ug/l	99
70) Styrene	12.18	104	67775	43.703	ug/l	100
71) Bromoform	12.35	173	11216	39.992	ug/l #	99
73) Isopropylbenzene	12.47	105	111706	63.227	ug/l	99
74) N-amyl acetate	12.27	43	14478	47.310	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	19936	75.260	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	16115m	89.205	ug/l	
77) Bromobenzene	12.75	156	24146	59.636	ug/l	90
78) n-propylbenzene	12.80	91	117528	57.147	ug/l	99
79) 2-Chlorotoluene	12.90	91	68869	57.483	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	86957	57.061	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	6245	72.564	ug/l	99
82) 4-Chlorotoluene	12.99	91	71153	55.777	ug/l	98
83) tert-Butylbenzene	13.21	119	77363	57.857	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	86967	56.555	ug/l	99
85) sec-Butylbenzene	13.39	105	92094	49.975	ug/l	99
86) p-Isopropyltoluene	13.51	119	81784	48.806	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39033	48.554	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	38797	48.246	ug/l	100
89) n-Butylbenzene	13.83	91	63203	41.137	ug/l	99
90) Hexachloroethane	14.10	117	13246	45.026	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	33714	46.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3427	62.997	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	15322	30.667	ug/l	96
94) Hexachlorobutadiene	15.24	225	7338	27.482	ug/l	98
95) Naphthalene	15.38	128	36223	39.214	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	11914	27.857	ug/l	98

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

