

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122518\
 Data File : VW007889.D
 Acq On : 24 Dec 2018 15:25
 Operator : SY/AP
 Sample : J6426-03MSD
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-DS001-01MSD

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 4:38:59 PM

Quant Time: Dec 26 03:59:26 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	39038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	68782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	30232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	7009	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	34712	81.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	162.26%	
35) Dibromofluoromethane	7.88	113	28865	68.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.58%	
50) Toluene-d8	10.32	98	55136	34.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.72%	
62) 4-Bromofluorobenzene	12.62	95	12512	20.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	19831	57.142	ug/l	93
3) Chloromethane	2.21	50	23690	111.166	ug/l	99
4) Vinyl Chloride	2.37	62	28398	104.684	ug/l	97
5) Bromomethane	2.78	94	18283	96.764	ug/l	90
6) Chloroethane	2.93	64	15349	105.761	ug/l	96
7) Trichlorofluoromethane	3.26	101	15642	55.385	ug/l	100
8) Diethyl Ether	3.68	74	16772	96.956	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16599	39.907	ug/l	96
10) Methyl Iodide	4.26	142	47024	71.091	ug/l	97
11) Tert butyl alcohol	5.17	59	12386	429.124	ug/l	100
12) 1,1-Dichloroethene	4.03	96	23327	60.565	ug/l	99
13) Acrolein	3.89	56	3458	149.839	ug/l	100
14) Allyl chloride	4.67	41	44330	87.768	ug/l	90
15) Acrylonitrile	5.37	53	34624	469.223	ug/l	99
16) Acetone	4.12	43	29141	363.701	ug/l	98
17) Carbon Disulfide	4.37	76	51550	43.251	ug/l	100
18) Methyl Acetate	4.67	43	60127	315.542	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	56108	101.472	ug/l	98
20) Methylene Chloride	4.91	84	32129	84.539	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	24629	58.142	ug/l	91
22) Diisopropyl ether	6.31	45	88734	93.824	ug/l	96
23) Vinyl Acetate	6.31	43	67617m	120.337	ug/l	
24) 1,1-Dichloroethane	6.21	63	53025	76.213	ug/l	99
25) 2-Butanone	7.17	43	39524	421.149	ug/l	90
26) 2,2-Dichloropropane	7.17	77	33906	66.597	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	31702	70.246	ug/l	97
28) Bromochloromethane	7.51	49	20182	85.078	ug/l	91
29) Tetrahydrofuran	7.53	42	27013	482.557	ug/l	95
30) Chloroform	7.68	83	53173	67.532	ug/l	96
31) Cyclohexane	7.95	56	17588	27.613	ug/l	85
32) 1,1,1-Trichloroethane	7.87	97	37202	51.879	ug/l	99
36) 1,1-Dichloropropene	8.08	75	23059	34.734	ug/l	97
37) Ethyl Acetate	7.26	43	8917	38.920	ug/l #	81
38) Carbon Tetrachloride	8.07	117	25513	32.632	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	14723	17.848	ug/l	97
40) Benzene	8.32	78	90606	51.146	ug/l	99
41) Methacrylonitrile	7.49	41	11035	84.834	ug/l	95
42) 1,2-Dichloroethane	8.40	62	39138	65.925	ug/l	99
43) Isopropyl Acetate	8.43	43	20723	45.147	ug/l	94
44) Trichloroethene	9.09	130	18147	33.873	ug/l	96
45) 1,2-Dichloropropane	9.37	63	24106	61.325	ug/l	97
46) Dibromomethane	9.46	93	14767	61.028	ug/l	94
47) Bromodichloromethane	9.65	83	33123	52.070	ug/l	99
48) Methyl methacrylate	9.44	41	22051	96.243	ug/l	93
49) 1,4-Dioxane	9.45	88	5321	1386.993	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	83994	387.197	ug/l	97
52) Toluene	10.39	92	40242	33.857	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	31930	50.464	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	36306	51.947	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	21786	65.310	ug/l	93
56) Ethyl methacrylate	10.65	69	19303	48.977	ug/l	87
57) 1,3-Dichloropropane	10.93	76	31679	57.190	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	78820	438.017	ug/l	96
59) 2-Hexanone	10.97	43	52326	342.989	ug/l	97
60) Dibromochloromethane	11.13	129	18179	41.159	ug/l	99
61) 1,2-Dibromoethane	11.24	107	15863	46.959	ug/l	97
64) Tetrachloroethene	10.86	164	7212	33.688	ug/l	96
65) Chlorobenzene	11.66	112	30850	47.146	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	15852	67.799	ug/l	97
67) Ethyl Benzene	11.73	91	43191	38.465	ug/l	96
68) m/p-Xylenes	11.84	106	31517	72.357	ug/l	98
69) o-Xylene	12.17	106	15555	38.097	ug/l	100
70) Styrene	12.18	104	27059	40.317	ug/l	97
71) Bromoform	12.35	173	7964	65.614	ug/l #	98
73) Isopropylbenzene	12.47	105	30861	58.250	ug/l	99
74) N-amyl acetate	12.27	43	4968	54.136	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.72	83	15936	200.616	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	13283m	245.196	ug/l	
77) Bromobenzene	12.75	156	8923	73.490	ug/l	64
78) n-propylbenzene	12.81	91	28797	46.694	ug/l	98
79) 2-Chlorotoluene	12.90	91	20367	56.690	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	20946	45.834	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	5455	211.368	ug/l	99
82) 4-Chlorotoluene	12.99	91	19756	51.644	ug/l	98
83) tert-Butylbenzene	13.21	119	18526	46.202	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	22415	48.609	ug/l	99
85) sec-Butylbenzene	13.39	105	21179	38.325	ug/l	99
86) p-Isopropyltoluene	13.51	119	16779	33.391	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	9995	41.461	ug/l	88
88) 1,4-Dichlorobenzene	13.58	146	9935	41.200	ug/l	89
89) n-Butylbenzene	13.83	91	13316	28.902	ug/l	96
90) Hexachloroethane	14.10	117	3080	34.913	ug/l	89
91) 1,2-Dichlorobenzene	13.88	146	9567	44.324	ug/l #	81
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2168	132.899	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	2806	18.728	ug/l #	46
94) Hexachlorobutadiene	15.24	225	1430	17.859	ug/l	95
95) Naphthalene	15.37	128	10225	36.913	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	2276	17.746	ug/l #	71

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

