

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122018\
 Data File : VW007654.D
 Acq On : 18 Dec 2018 13:25
 Operator : SY/AP
 Sample : J6391-07MS
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS016-0006-01MS

Manual Integrations
 APPROVED

apatel
 12/19/2018 12:15:11 PM

Quant Time: Dec 19 04:38:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	33741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	52754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	40549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	14975	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	21953	58.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.30%	
35) Dibromofluoromethane	7.88	113	18299	57.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.60%	
50) Toluene-d8	10.32	98	59043	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.62	95	17668	40.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13415	56.895	ug/l	96
3) Chloromethane	2.21	50	8878	44.958	ug/l	97
4) Vinyl Chloride	2.36	62	12681	54.721	ug/l	99
5) Bromomethane	2.79	94	8431	54.149	ug/l	94
6) Chloroethane	2.93	64	7123	55.839	ug/l	95
7) Trichlorofluoromethane	3.25	101	14500	69.597	ug/l	96
8) Diethyl Ether	3.67	74	10435	63.993	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16822	48.933	ug/l	98
10) Methyl Iodide	4.26	142	30271	53.167	ug/l	96
11) Tert butyl alcohol	5.17	59	8721	339.227	ug/l	98
12) 1,1-Dichloroethene	4.03	96	18458	55.766	ug/l	96
13) Acrolein	3.89	56	2162	127.093	ug/l	93
14) Allyl chloride	4.66	41	26407	54.126	ug/l	97
15) Acrylonitrile	5.37	53	21988	319.865	ug/l	98
16) Acetone	4.12	43	19136	292.670	ug/l	97
17) Carbon Disulfide	4.37	76	52083	51.897	ug/l	95
18) Methyl Acetate	4.67	43	38855	218.951	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	39250	78.607	ug/l	96
20) Methylene Chloride	4.91	84	21472	60.907	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	19565	52.841	ug/l	98
22) Diisopropyl ether	6.31	45	55075	58.729	ug/l	95
23) Vinyl Acetate	6.31	43	39602	75.499	ug/l #	74
24) 1,1-Dichloroethane	6.21	63	35884	56.616	ug/l	99
25) 2-Butanone	7.17	43	28532	334.258	ug/l	99
26) 2,2-Dichloropropane	7.16	77	28559	68.084	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	22398	55.246	ug/l	98
28) Bromochloromethane	7.51	49	13114	55.007	ug/l	99
29) Tetrahydrofuran	7.52	42	18669	345.478	ug/l	94
30) Chloroform	7.68	83	39582	57.387	ug/l	98
31) Cyclohexane	7.95	56	22236	38.238	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	35482	58.662	ug/l	99
36) 1,1-Dichloropropene	8.08	75	25578	53.150	ug/l	99
37) Ethyl Acetate	7.26	43	5776	32.270	ug/l #	80
38) Carbon Tetrachloride	8.07	117	30529	58.303	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	19795	33.969	ug/l	90
40) Benzene	8.32	78	77179	57.789	ug/l	99
41) Methacrylonitrile	7.48	41	5915	58.032	ug/l	94
42) 1,2-Dichloroethane	8.40	62	29248	69.717	ug/l	99
43) Isopropyl Acetate	8.42	43	13296	37.606	ug/l #	87
44) Trichloroethene	9.09	130	20781	54.490	ug/l	97
45) 1,2-Dichloropropane	9.37	63	18944	61.296	ug/l	97
46) Dibromomethane	9.46	93	11793	67.193	ug/l	98
47) Bromodichloromethane	9.65	83	28918	62.816	ug/l	91
48) Methyl methacrylate	9.44	41	15019	82.712	ug/l	97
49) 1,4-Dioxane	9.45	88	4319	1516.638	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	62144	371.992	ug/l	98
52) Toluene	10.39	92	47124	54.524	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	26835	60.043	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	29301	56.712	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	16197	67.808	ug/l	97
56) Ethyl methacrylate	10.65	69	9047	31.511	ug/l	97
57) 1,3-Dichloropropane	10.93	76	26856	68.499	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	44419	335.491	ug/l	97
59) 2-Hexanone	10.97	43	38860	348.852	ug/l	99
60) Dibromochloromethane	11.13	129	19982	66.286	ug/l	99
61) 1,2-Dibromoethane	11.24	107	15867	67.217	ug/l	94
64) Tetrachloroethene	10.86	164	14160	48.560	ug/l	91
65) Chlorobenzene	11.66	112	46709	55.266	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	19472	65.415	ug/l	98
67) Ethyl Benzene	11.73	91	79591	54.774	ug/l	91
68) m/p-Xylenes	11.84	106	61441	108.765	ug/l	98
69) o-Xylene	12.17	106	29289	55.516	ug/l	97
70) Styrene	12.18	104	46174	54.186	ug/l	97
71) Bromoform	12.35	173	10771	70.695	ug/l #	99
73) Isopropylbenzene	12.47	105	70635	61.559	ug/l	99
74) N-amyl acetate	12.27	43	5376	25.780	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	16021	94.269	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	15297m	123.889	ug/l	
77) Bromobenzene	12.75	156	17520	68.883	ug/l	93
78) n-propylbenzene	12.81	91	75162	58.205	ug/l	99
79) 2-Chlorotoluene	12.90	91	45170	57.809	ug/l	96
80) 1,3,5-Trimethylbenzene	12.95	105	56344	58.440	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	5048	90.312	ug/l	96
82) 4-Chlorotoluene	12.99	91	47234	57.348	ug/l	98
83) tert-Butylbenzene	13.21	119	49402	58.152	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	58413	58.876	ug/l	98
85) sec-Butylbenzene	13.39	105	56763	48.945	ug/l	97
86) p-Isopropyltoluene	13.51	119	51397	49.332	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	27172	53.582	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	27166	53.286	ug/l	98
89) n-Butylbenzene	13.83	91	38076	39.422	ug/l	99
90) Hexachloroethane	14.10	117	9547	51.500	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	25014	55.073	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3084	90.426	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	10419	33.333	ug/l	92
94) Hexachlorobutadiene	15.25	225	4209	25.379	ug/l	97
95) Naphthalene	15.38	128	27731	46.376	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	8042	29.618	ug/l	93

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

