

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122018\
 Data File : VW007658.D
 Acq On : 18 Dec 2018 15:09
 Operator : SY/AP
 Sample : J6353-03MSD
 Misc : 4.61G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01MSD

Manual Integrations
 APPROVED

apatel
 12/19/2018 12:15:27 PM

Quant Time: Dec 19 04:50:35 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	33941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	59087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	37619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	9207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	22923	60.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.76%	
35) Dibromofluoromethane	7.88	113	11288	31.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.12%	
50) Toluene-d8	10.32	98	55345	41.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.54%	
62) 4-Bromofluorobenzene	12.62	95	15528	31.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	11811	49.797	ug/l	98
3) Chloromethane	2.21	50	10805	54.394	ug/l	95
4) Vinyl Chloride	2.37	62	14497	62.189	ug/l	93
5) Bromomethane	2.78	94	10632	67.883	ug/l	97
6) Chloroethane	2.93	64	8683	67.667	ug/l	98
7) Trichlorofluoromethane	3.25	101	14094	67.250	ug/l	99
8) Diethyl Ether	3.68	74	10562	64.390	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11803	34.131	ug/l	94
10) Methyl Iodide	4.26	142	36286	63.356	ug/l	96
11) Tert butyl alcohol	5.17	59	9349	361.511	ug/l	95
12) 1,1-Dichloroethene	4.03	96	20941	62.895	ug/l	97
13) Acrolein	3.89	56	3267	190.919	ug/l	94
14) Allyl chloride	4.66	41	29331	59.764	ug/l	96
15) Acrylonitrile	5.37	53	22338	323.041	ug/l	99
16) Acetone	4.12	43	30415	462.432	ug/l	100
17) Carbon Disulfide	4.37	76	50694	50.215	ug/l	97
18) Methyl Acetate	4.67	43	6957	38.972	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	39866	79.370	ug/l #	86
20) Methylene Chloride	4.91	84	24172	68.668	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	21444	57.574	ug/l	96
22) Diisopropyl ether	6.31	45	58644	62.166	ug/l	96
23) Vinyl Acetate	6.31	43	32090	60.818	ug/l #	72
24) 1,1-Dichloroethane	6.21	63	40264	63.152	ug/l	97
25) 2-Butanone	7.17	43	32250	375.588	ug/l	100
26) 2,2-Dichloropropane	7.17	77	28750	68.135	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	25614	62.806	ug/l	98
28) Bromochloromethane	7.51	49	14341	59.800	ug/l	96
29) Tetrahydrofuran	7.53	42	17472	321.422	ug/l	94
30) Chloroform	7.68	83	44688	64.408	ug/l	100
31) Cyclohexane	7.96	56	14104	24.111	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	34601	56.868	ug/l	98
36) 1,1-Dichloropropene	8.08	75	23747	44.057	ug/l	97
37) Ethyl Acetate	7.25	43	7615	37.984	ug/l	99
38) Carbon Tetrachloride	8.07	117	25640	43.718	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	10767	16.496	ug/l	87
40) Benzene	8.32	78	88592	59.225	ug/l	99
41) Methacrylonitrile	7.48	41	7419	64.986	ug/l	94
42) 1,2-Dichloroethane	8.40	62	31273	66.554	ug/l	99
43) Isopropyl Acetate	8.43	43	24101	60.860	ug/l	99
44) Trichloroethene	9.09	130	39339	92.096	ug/l	100
45) 1,2-Dichloropropane	9.37	63	20351	58.791	ug/l	98
46) Dibromomethane	9.46	93	12738	64.799	ug/l	98
47) Bromodichloromethane	9.65	83	31717	61.511	ug/l	98
48) Methyl methacrylate	9.43	41	9781	48.092	ug/l	97
49) 1,4-Dioxane	9.45	88	4433	1389.825	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	66634	356.118	ug/l	99
52) Toluene	10.39	92	157364	162.560	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	31010	61.947	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	33392	57.703	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	17463	65.272	ug/l	94
56) Ethyl methacrylate	10.65	69	17781	55.293	ug/l	100
57) 1,3-Dichloropropane	10.93	76	28142	64.085	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	52618	354.822	ug/l	99
59) 2-Hexanone	10.97	43	47979	384.550	ug/l	98
60) Dibromochloromethane	11.13	129	20542	60.840	ug/l	98
61) 1,2-Dibromoethane	11.23	107	15912	60.183	ug/l	97
64) Tetrachloroethene	10.87	164	16015	59.199	ug/l	93
65) Chlorobenzene	11.66	112	42886	54.695	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	17991	65.147	ug/l	97
67) Ethyl Benzene	11.73	91	134542	99.802	ug/l	94
68) m/p-Xylenes	11.84	106	152463	290.917	ug/l	99
69) o-Xylene	12.17	106	74156	151.508	ug/l	97
70) Styrene	12.18	104	61617	77.940	ug/l	91
71) Bromoform	12.35	173	10788	76.321	ug/l #	98
73) Isopropylbenzene	12.47	105	41261	58.487	ug/l	99
74) N-amyl acetate	12.27	43	14477	112.913	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	896	8.575	ug/l	77
76) 1,2,3-Trichloropropane	12.77	75	12883m	169.704	ug/l	
77) Bromobenzene	12.75	156	14453	92.425	ug/l	87
78) n-propylbenzene	12.81	91	61726	77.746	ug/l	99
79) 2-Chlorotoluene	12.90	91	31381m	65.323	ug/l	
80) 1,3,5-Trimethylbenzene	12.94	105	66384	111.989	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.51	75	5623	163.622	ug/l	94
82) 4-Chlorotoluene	12.99	91	30887	60.994	ug/l	98
83) tert-Butylbenzene	13.21	119	16418	31.433	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	188779	309.476	ug/l	100
85) sec-Butylbenzene	13.38	105	19445	27.271	ug/l	99
86) p-Isopropyltoluene	13.50	119	17216	26.876	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	15816	50.728	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	16971	54.144	ug/l	97
89) n-Butylbenzene	13.83	91	17625	29.680	ug/l #	77
90) Hexachloroethane	14.10	117	4373	38.368	ug/l	65
91) 1,2-Dichlorobenzene	13.88	146	16179	57.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3138	149.651	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	3928	20.439	ug/l #	83
94) Hexachlorobutadiene	15.24	225	871	8.542	ug/l	89
95) Naphthalene	15.38	128	44700	121.585	ug/l	96
96) 1,2,3-Trichlorobenzene	15.57	180	3619	21.678	ug/l #	81

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

