

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101718\
 Data File : VW006161.D
 Acq On : 18 Oct 2018 08:23
 Operator : VA/AP
 Sample : J5565-05MS
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MS

Manual Integrations
 APPROVED

apatel
 10/18/2018 4:40:24 PM

Quant Time: Oct 18 14:38:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	217274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	319334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	111754	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	101427	56.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.62%	
35) Dibromofluoromethane	7.88	113	99485	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
50) Toluene-d8	10.33	98	350025	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.62	95	111008	41.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	60626	56.386	ug/l	98
3) Chloromethane	2.21	50	68347	49.383	ug/l	97
4) Vinyl Chloride	2.37	62	108683	54.987	ug/l	99
5) Bromomethane	2.78	94	82446	45.861	ug/l	99
6) Chloroethane	2.93	64	77596	54.782	ug/l	100
7) Trichlorofluoromethane	3.26	101	94481	51.313	ug/l	98
8) Diethyl Ether	3.68	74	60041	61.356	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	104288	54.046	ug/l	99
10) Methyl Iodide	4.27	142	131784	41.033	ug/l	100
11) Tert butyl alcohol	5.23	59	33857	279.471	ug/l	99
12) 1,1-Dichloroethene	4.03	96	105116	57.902	ug/l	97
14) Allyl chloride	4.67	41	119190	45.918	ug/l	100
15) Acrylonitrile	5.37	53	102560	292.206	ug/l	99
16) Acetone	4.14	43	100555	300.547	ug/l	99
17) Carbon Disulfide	4.38	76	205978	37.594	ug/l	99
18) Methyl Acetate	4.67	43	150019	165.492	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	181713	65.718	ug/l	95
20) Methylene Chloride	4.91	84	155998	82.917	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	116996	57.738	ug/l	99
22) Diisopropyl ether	6.32	45	314650	61.341	ug/l	97
23) Vinyl Acetate	6.32	43	171523	56.660	ug/l #	71
24) 1,1-Dichloroethane	6.21	63	202043	61.042	ug/l	99
25) 2-Butanone	7.18	43	139915	287.521	ug/l	96
26) 2,2-Dichloropropane	7.17	77	105203	45.065	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	134926	60.339	ug/l	98
28) Bromochloromethane	7.51	49	75837	59.349	ug/l	96
29) Tetrahydrofuran	7.54	42	94943	317.411	ug/l	99
30) Chloroform	7.68	83	221915	61.538	ug/l	98
31) Cyclohexane	7.95	56	147828	44.848	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	182996	56.255	ug/l	99
36) 1,1-Dichloropropene	8.09	75	156377	53.129	ug/l	99
37) Ethyl Acetate	7.26	43	14835	13.566	ug/l #	80
38) Carbon Tetrachloride	8.07	117	155594	48.222	ug/l	97
39) Methylcyclohexane	9.34	83	139014	35.530	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	464321	57.509	ug/l	99
41) Methacrylonitrile	7.49	41	33809	51.284	ug/l	95
42) 1,2-Dichloroethane	8.40	62	148006	62.395	ug/l	100
43) Isopropyl Acetate	8.43	43	48045	21.487	ug/l #	74
44) Trichloroethene	9.09	130	136710	55.191	ug/l	99
45) 1,2-Dichloropropane	9.37	63	112033	57.987	ug/l	100
46) Dibromomethane	9.46	93	69522	63.135	ug/l	98
47) Bromodichloromethane	9.65	83	140071	52.467	ug/l	99
48) Methyl methacrylate	9.44	41	87197	82.271	ug/l	98
49) 1,4-Dioxane	9.47	88	19749	1164.996	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	347878	310.521	ug/l	99
52) Toluene	10.39	92	292726	54.079	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	130342	49.003	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	147318	48.258	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	93065	60.394	ug/l	97
56) Ethyl methacrylate	10.65	69	20770	10.995	ug/l #	73
57) 1,3-Dichloropropane	10.93	76	152388	59.739	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	190627	264.085	ug/l	99
59) 2-Hexanone	10.98	43	219344	274.278	ug/l	98
60) Dibromochloromethane	11.13	129	97480	50.787	ug/l	99
61) 1,2-Dibromoethane	11.24	107	89865	58.365	ug/l	98
64) Tetrachloroethene	10.87	164	108376	51.999	ug/l	99
65) Chlorobenzene	11.66	112	315957	54.975	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	119252	58.387	ug/l	100
67) Ethyl Benzene	11.74	91	530827	53.295	ug/l	100
68) m/p-Xylenes	11.84	106	413492	105.033	ug/l	98
69) o-Xylene	12.17	106	203813	54.323	ug/l	99
70) Stvrene	12.18	104	298774	48.971	ug/l	99
71) Bromoform	12.35	173	58143	51.038	ug/l #	100
73) Isopropylbenzene	12.47	105	497998	63.077	ug/l	100
74) N-amyl acetate	12.28	43	3069	2.001	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.72	83	101371	84.419	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	65460m	76.689	ug/l	
77) Bromobenzene	12.75	156	134814	69.716	ug/l	100
78) n-propylbenzene	12.81	91	513410	55.895	ug/l	100
79) 2-Chlorotoluene	12.90	91	310075	60.082	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	384500	57.770	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	19189	53.738	ug/l	95
82) 4-Chlorotoluene	12.99	91	318774	58.965	ug/l	99
83) tert-Butylbenzene	13.21	119	329334	55.305	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	394208	58.531	ug/l	99
85) sec-Butylbenzene	13.39	105	386573	45.951	ug/l	100
86) p-Isopropyltoluene	13.51	119	345027	45.343	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	205783	53.471	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	205678	53.676	ug/l	99
89) n-Butylbenzene	13.83	91	236039	33.919	ug/l	99
90) Hexachloroethane	14.10	117	51526	39.977	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	190383	55.459	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15572	72.430	ug/l	96
93) 1,2,4-Trichlorobenzene	15.14	180	82218	31.127	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	32806	19.771	ug/l	99
95) Naphthalene	15.38	128	212258	48.307	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	70244	30.746	ug/l	99

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

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