

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122218\
 Data File : VW007770.D
 Acq On : 21 Dec 2018 01:45
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:04:38 AM

Quant Time: Dec 21 05:13:07 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	79290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	132951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	120226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60442	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	47368	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	
35) Dibromofluoromethane	7.88	113	42949	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	10.32	98	165783	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
62) 4-Bromofluorobenzene	12.62	95	64501	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	26790	38.006	ug/l	96
3) Chloromethane	2.22	50	23648	54.635	ug/l	99
4) Vinyl Chloride	2.37	62	30180	54.775	ug/l	100
5) Bromomethane	2.78	94	21473	55.954	ug/l	98
6) Chloroethane	2.93	64	18170	61.641	ug/l	96
7) Trichlorofluoromethane	3.26	101	23327	40.666	ug/l	96
8) Diethyl Ether	3.68	74	18214	51.840	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.06	101	35547	42.077	ug/l	100
10) Methyl Iodide	4.27	142	61577	45.833	ug/l	96
11) Tert butyl alcohol	5.17	59	15160	258.595	ug/l	99
12) 1,1-Dichloroethene	4.03	96	34289	43.832	ug/l	94
13) Acrolein	3.89	56	10452	222.982	ug/l	98
14) Allyl chloride	4.67	41	50537	49.263	ug/l	94
15) Acrylonitrile	5.37	53	38225	255.046	ug/l	99
16) Acetone	4.12	43	34556	212.340	ug/l	98
17) Carbon Disulfide	4.38	76	102429	42.311	ug/l	99
18) Methyl Acetate	4.67	43	21806	56.342	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	64401	57.343	ug/l	96
20) Methylene Chloride	4.91	84	40737	50.063	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	39239	45.607	ug/l	97
22) Diisopropyl ether	6.31	45	103131	53.689	ug/l	97
23) Vinyl Acetate	6.25	43	290336	254.398	ug/l	97
24) 1,1-Dichloroethane	6.21	63	67568	47.814	ug/l	99
25) 2-Butanone	7.17	43	46650	244.735	ug/l	97
26) 2,2-Dichloropropane	7.17	77	43978	42.529	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	43663	47.634	ug/l	98
28) Bromochloromethane	7.51	49	26292	54.569	ug/l	94
29) Tetrahydrofuran	7.53	42	30615	269.264	ug/l	99
30) Chloroform	7.68	83	74091	46.329	ug/l	100
31) Cyclohexane	7.95	56	55438	42.853	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	62968	43.233	ug/l	99
36) 1,1-Dichloropropene	8.08	75	54431	42.418	ug/l	100
37) Ethyl Acetate	7.26	43	22003	49.684	ug/l	99
38) Carbon Tetrachloride	8.07	117	56867	37.630	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	68626	43.038	ug/l	99
40) Benzene	8.32	78	154635	45.159	ug/l	99
41) Methacrylonitrile	7.48	41	14297	56.862	ug/l	88
42) 1,2-Dichloroethane	8.40	62	50239	43.780	ug/l	99
43) Isopropyl Acetate	8.43	43	44211	49.830	ug/l	98
44) Trichloroethene	9.09	130	44874	43.334	ug/l	97
45) 1,2-Dichloropropane	9.37	63	36383	47.885	ug/l	97
46) Dibromomethane	9.46	93	20715	44.290	ug/l	99
47) Bromodichloromethane	9.65	83	53508	43.517	ug/l	98
48) Methyl methacrylate	9.44	41	22383	50.541	ug/l	98
49) 1,4-Dioxane	9.45	88	7207	971.894	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	105563	251.755	ug/l	98
52) Toluene	10.39	92	106105	46.184	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	55963	45.758	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	62089	45.960	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	30330	47.039	ug/l	97
56) Ethyl methacrylate	10.65	69	38695	50.793	ug/l	96
57) 1,3-Dichloropropane	10.93	76	50423	47.094	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	99014	284.665	ug/l	99
59) 2-Hexanone	10.97	43	73919	250.669	ug/l	99
60) Dibromochloromethane	11.13	129	35538	41.626	ug/l	98
61) 1,2-Dibromoethane	11.24	107	30332	46.453	ug/l	100
64) Tetrachloroethene	10.86	164	39131	45.963	ug/l	99
65) Chlorobenzene	11.66	112	115972	44.567	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	40528	43.587	ug/l	97
67) Ethyl Benzene	11.73	91	209849	46.995	ug/l	95
68) m/p-Xylenes	11.84	106	160317	92.552	ug/l	98
69) o-Xylene	12.17	106	77100	47.484	ug/l	99
70) Styrene	12.18	104	125470	47.009	ug/l	99
71) Bromoform	12.35	173	19545	40.492	ug/l #	99
73) Isopropylbenzene	12.47	105	213479	46.726	ug/l	99
74) N-amyl acetate	12.27	43	41446	52.372	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	32947	48.097	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	25179m	53.898	ug/l	
77) Bromobenzene	12.75	156	47940	45.786	ug/l	96
78) n-propylbenzene	12.81	91	244316	45.939	ug/l	99
79) 2-Chlorotoluene	12.90	91	146297	47.220	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	187675	47.623	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	10173	45.710	ug/l	95
82) 4-Chlorotoluene	12.99	91	154945	46.970	ug/l	99
83) tert-Butylbenzene	13.21	119	162787	47.078	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	192706	48.461	ug/l	99
85) sec-Butylbenzene	13.39	105	219999	46.165	ug/l	100
86) p-Isopropyltoluene	13.51	119	201666	46.538	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	96417	46.379	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96002	46.166	ug/l	99
89) n-Butylbenzene	13.83	91	182799	46.009	ug/l	100
90) Hexachloroethane	14.10	117	29526	38.811	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	86204	46.314	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6083	43.241	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	62188	48.132	ug/l	98
94) Hexachlorobutadiene	15.24	225	31241	45.245	ug/l	100
95) Naphthalene	15.37	128	127758	53.484	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	53078	47.992	ug/l	99

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

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