

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102218\
 Data File : VW006267.D
 Acq On : 22 Oct 2018 23:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 10/24/2018 5:33:19 PM

Quant Time: Oct 23 05:49:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	244809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	353139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	184875	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	97859	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	7.89	113	102140	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	10.33	98	382764	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.62	95	146889	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	60766	50.160	ug/l	98
3) Chloromethane	2.21	50	73991	47.448	ug/l	99
4) Vinyl Chloride	2.37	62	115618	51.916	ug/l	99
5) Bromomethane	2.79	94	103051	50.876	ug/l	99
6) Chloroethane	2.93	64	83119	52.081	ug/l	99
7) Trichlorofluoromethane	3.26	101	101902	49.119	ug/l	99
8) Diethyl Ether	3.68	74	61151	55.462	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	115698	53.215	ug/l	99
10) Methyl Iodide	4.27	142	198040	54.727	ug/l	100
11) Tert butyl alcohol	5.22	59	33666	246.638	ug/l	98
12) 1,1-Dichloroethene	4.04	96	109346	53.458	ug/l	93
13) Acrolein	3.90	56	28602	216.548	ug/l	97
14) Allyl chloride	4.67	41	152072	51.996	ug/l	99
15) Acrylonitrile	5.37	53	107189	271.045	ug/l	99
16) Acetone	4.14	43	96511	253.683	ug/l	98
17) Carbon Disulfide	4.38	76	304823	49.378	ug/l	99
18) Methyl Acetate	4.68	43	56853	55.663	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	169030	54.256	ug/l	98
20) Methylene Chloride	4.91	84	119861	56.009	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	124792	54.658	ug/l	99
22) Diisopropyl ether	6.32	45	316035	54.681	ug/l	97
23) Vinyl Acetate	6.26	43	876144	256.869	ug/l	99
24) 1,1-Dichloroethane	6.21	63	208776	55.982	ug/l	99
25) 2-Butanone	7.18	43	138867	253.271	ug/l	100
26) 2,2-Dichloropropane	7.17	77	130189	49.496	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	141604	56.203	ug/l	98
28) Bromochloromethane	7.51	49	80598	55.980	ug/l	94
29) Tetrahydrofuran	7.54	42	87867	260.714	ug/l	98
30) Chloroform	7.68	83	227789	56.062	ug/l	98
31) Cyclohexane	7.96	56	180851	48.696	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	196737	53.677	ug/l	99
36) 1,1-Dichloropropene	8.09	75	175942	54.054	ug/l	100
37) Ethyl Acetate	7.26	43	61944	51.221	ug/l	99
38) Carbon Tetrachloride	8.07	117	186668	52.314	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	223323	51.615	ug/l	98
40) Benzene	8.33	78	494987	55.438	ug/l	99
41) Methacrylonitrile	7.49	41	35941	49.299	ug/l	91
42) 1,2-Dichloroethane	8.40	62	145936	55.633	ug/l	100
43) Isopropyl Acetate	8.43	43	125078	50.584	ug/l	98
44) Trichloroethene	9.09	130	151111	55.165	ug/l	99
45) 1,2-Dichloropropane	9.37	63	117432	54.963	ug/l	98
46) Dibromomethane	9.46	93	66723	54.793	ug/l	99
47) Bromodichloromethane	9.65	83	159845	54.142	ug/l	99
48) Methyl methacrylate	9.44	41	61522	52.490	ug/l	97
49) 1,4-Dioxane	9.48	88	21186	1130.128	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	320909	259.027	ug/l	98
52) Toluene	10.39	92	327910	54.780	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	154899	52.660	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	180905	53.587	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	94326	55.353	ug/l	98
56) Ethyl methacrylate	10.65	69	110924	53.097	ug/l	96
57) 1,3-Dichloropropane	10.94	76	154586	54.800	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	208977	261.793	ug/l	99
59) 2-Hexanone	10.98	43	217970	246.469	ug/l	97
60) Dibromochloromethane	11.13	129	113747	53.589	ug/l	100
61) 1,2-Dibromoethane	11.24	107	93811	55.096	ug/l	100
64) Tetrachloroethene	10.87	164	140223	55.163	ug/l	98
65) Chlorobenzene	11.66	112	385287	54.965	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	136600	54.835	ug/l	99
67) Ethyl Benzene	11.74	91	658584	54.213	ug/l	100
68) m/p-Xylenes	11.85	106	521477	108.606	ug/l	99
69) o-Xylene	12.17	106	251524	54.966	ug/l	98
70) Styrene	12.19	104	408724	54.927	ug/l	100
71) Bromoform	12.35	173	71785	51.664	ug/l #	99
73) Isopropylbenzene	12.47	105	701648	53.721	ug/l	100
74) N-amyl acetate	12.28	43	124282	48.992	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	108188	54.462	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	68581m	48.567	ug/l	
77) Bromobenzene	12.75	156	173149	54.125	ug/l	99
78) n-propylbenzene	12.81	91	815090	53.641	ug/l	100
79) 2-Chlorotoluene	12.90	91	464078	54.357	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	591439	53.715	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	28675	48.542	ug/l	100
82) 4-Chlorotoluene	12.99	91	483433	54.055	ug/l	99
83) tert-Butylbenzene	13.21	119	531575	53.961	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	602987	54.120	ug/l	100
85) sec-Butylbenzene	13.39	105	747095	53.682	ug/l	100
86) p-Isopropyltoluene	13.51	119	683349	54.286	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	349033	54.822	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	343933	54.257	ug/l	99
89) n-Butylbenzene	13.83	91	615192	53.438	ug/l	99
90) Hexachloroethane	14.10	117	111957	52.507	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	307698	54.182	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17079	48.020	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	233569	53.452	ug/l	100
94) Hexachlorobutadiene	15.24	225	146578	53.399	ug/l	99
95) Naphthalene	15.38	128	386662	53.194	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	204072	53.994	ug/l	99

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

