

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122518\
 Data File : VW007880.D
 Acq On : 24 Dec 2018 10:32
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 4:38:06 PM

Quant Time: Dec 25 03:07:03 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	78704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	122972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	109082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	53646	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	38417	44.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.06%	
35) Dibromofluoromethane	7.88	113	36088	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	10.32	98	144317	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.62	95	53371	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35904	51.315	ug/l	96
3) Chloromethane	2.21	50	29621	68.944	ug/l	94
4) Vinyl Chloride	2.37	62	38955	71.227	ug/l	95
5) Bromomethane	2.78	94	23078	60.584	ug/l	94
6) Chloroethane	2.93	64	19798	67.664	ug/l	96
7) Trichlorofluoromethane	3.26	101	29817	52.367	ug/l	95
8) Diethyl Ether	3.68	74	18991	54.454	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45226	53.932	ug/l	99
10) Methyl Iodide	4.26	142	67823	50.858	ug/l	96
11) Tert butyl alcohol	5.17	59	14111	242.493	ug/l	100
12) 1,1-Dichloroethene	4.03	96	43036	55.422	ug/l	99
13) Acrolein	3.89	56	11890	255.549	ug/l	97
14) Allyl chloride	4.66	41	63562	62.421	ug/l	91
15) Acrylonitrile	5.36	53	38549	259.123	ug/l	99
16) Acetone	4.12	43	47265	292.597	ug/l	95
17) Carbon Disulfide	4.37	76	123210	51.274	ug/l	100
18) Methyl Acetate	4.67	43	21810	56.772	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	60810	54.549	ug/l #	92
20) Methylene Chloride	4.91	84	49706	63.194	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	45128	52.842	ug/l	92
22) Diisopropyl ether	6.31	45	112826	59.173	ug/l	97
23) Vinyl Acetate	6.25	43	312926	276.234	ug/l	97
24) 1,1-Dichloroethane	6.21	63	77722	55.409	ug/l	98
25) 2-Butanone	7.16	43	51446	271.905	ug/l	94
26) 2,2-Dichloropropane	7.16	77	57391	55.913	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	47907	52.653	ug/l	96
28) Bromochloromethane	7.51	49	29304	61.273	ug/l	89
29) Tetrahydrofuran	7.52	42	30216	267.734	ug/l	94
30) Chloroform	7.67	83	80733	50.858	ug/l	99
31) Cyclohexane	7.96	56	73015	56.860	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	75541	52.251	ug/l	99
36) 1,1-Dichloropropene	8.08	75	66385	55.931	ug/l	99
37) Ethyl Acetate	7.25	43	21084	51.473	ug/l	98
38) Carbon Tetrachloride	8.07	117	71628	51.243	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86581	58.705	ug/l	97
40) Benzene	8.32	78	175226	55.325	ug/l	99
41) Methacrylonitrile	7.48	41	13391	57.581	ug/l	89
42) 1,2-Dichloroethane	8.40	62	53050	49.981	ug/l	99
43) Isopropyl Acetate	8.43	43	43786	53.356	ug/l	99
44) Trichloroethene	9.09	130	50421	52.642	ug/l	95
45) 1,2-Dichloropropane	9.37	63	41067	58.436	ug/l	98
46) Dibromomethane	9.46	93	21603	49.937	ug/l	96
47) Bromodichloromethane	9.65	83	57893	50.904	ug/l	99
48) Methyl methacrylate	9.44	41	23606m	57.628	ug/l	
49) 1,4-Dioxane	9.45	88	7401	1079.046	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	102484	264.246	ug/l	97
52) Toluene	10.39	92	117456	55.274	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	60339	53.339	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	69313	55.471	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	30622	51.346	ug/l	96
56) Ethyl methacrylate	10.65	69	37970	53.886	ug/l	95
57) 1,3-Dichloropropane	10.93	76	51638	52.142	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	91056	283.030	ug/l	97
59) 2-Hexanone	10.97	43	76462	280.334	ug/l	99
60) Dibromochloromethane	11.13	129	37302	47.238	ug/l	100
61) 1,2-Dibromoethane	11.24	107	29624	49.051	ug/l	99
64) Tetrachloroethene	10.86	164	41082	53.185	ug/l	99
65) Chlorobenzene	11.66	112	126847	53.726	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	43907	52.046	ug/l	99
67) Ethyl Benzene	11.73	91	231930	57.246	ug/l	98
68) m/p-Xylenes	11.84	106	176155	112.085	ug/l	98
69) o-Xylene	12.17	106	83616	56.758	ug/l	97
70) Styrene	12.18	104	133981	55.327	ug/l	99
71) Bromoform	12.35	173	19465	44.446	ug/l #	97
73) Isopropylbenzene	12.47	105	238553	58.829	ug/l	100
74) N-amyl acetate	12.27	43	40228	57.273	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	31610	51.991	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	24812m	59.841	ug/l	
77) Bromobenzene	12.75	156	49188	52.929	ug/l	94
78) n-propylbenzene	12.81	91	279125	59.133	ug/l	99
79) 2-Chlorotoluene	12.90	91	159435	57.980	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	203897	58.294	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	10708	54.209	ug/l	97
82) 4-Chlorotoluene	12.99	91	166352	56.816	ug/l	100
83) tert-Butylbenzene	13.21	119	181077	59.002	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	204029	57.808	ug/l	100
85) sec-Butylbenzene	13.39	105	254484	60.167	ug/l	98
86) p-Isopropyltoluene	13.51	119	225420	58.610	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	99842	54.111	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	99238	53.768	ug/l	99
89) n-Butylbenzene	13.83	91	211740	60.044	ug/l	99
90) Hexachloroethane	14.10	117	36190	53.597	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	87464	52.944	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5829	46.685	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	61703	53.807	ug/l	99
94) Hexachlorobutadiene	15.24	225	34534	56.350	ug/l	100
95) Naphthalene	15.38	128	113430	53.501	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	51799	52.769	ug/l	98

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

