

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007018.D
 Acq On : 22 Nov 2018 00:45
 Operator : VAY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 1:04:51 PM

Quant Time: Nov 22 05:57:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	107319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	169082	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83109	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	56192	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	7.89	113	49854	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
50) Toluene-d8	10.33	98	222801	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	12.62	95	87756	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	47934	45.238	ug/l	96
3) Chloromethane	2.21	50	42808	48.478	ug/l	97
4) Vinyl Chloride	2.35	62	41317	47.556	ug/l	96
5) Bromomethane	2.77	94	22588	48.710	ug/l	89
6) Chloroethane	2.92	64	23744	49.577	ug/l	97
7) Trichlorofluoromethane	3.26	101	79508	46.539	ug/l	96
8) Diethyl Ether	3.69	74	28256	51.329	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48684	43.956	ug/l	100
10) Methyl Iodide	4.28	142	66514	52.461	ug/l	99
11) Tert butyl alcohol	5.21	59	19789	289.322	ug/l	100
12) 1,1-Dichloroethene	4.04	96	45057	46.384	ug/l	94
13) Acrolein	3.90	56	19123	272.244	ug/l	97
14) Allyl chloride	4.67	41	76990	47.785	ug/l	98
15) Acrylonitrile	5.37	53	59389	287.044	ug/l	98
16) Acetone	4.14	43	42505	278.637	ug/l	99
17) Carbon Disulfide	4.38	76	155450	49.498	ug/l	98
18) Methyl Acetate	4.68	43	29239	53.823	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	137628	54.262	ug/l	100
20) Methylene Chloride	4.92	84	60906	50.112	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	52997	46.835	ug/l	94
22) Diisopropyl ether	6.31	45	157477	50.217	ug/l	95
23) Vinyl Acetate	6.26	43	451669	271.221	ug/l	100
24) 1,1-Dichloroethane	6.22	63	92223	48.341	ug/l	100
25) 2-Butanone	7.18	43	72631	277.992	ug/l	98
26) 2,2-Dichloropropane	7.17	77	75847	44.211	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	59590	49.452	ug/l	97
28) Bromochloromethane	7.52	49	36881	51.725	ug/l #	99
29) Tetrahydrofuran	7.54	42	47180	278.823	ug/l	99
30) Chloroform	7.68	83	96467	47.597	ug/l	99
31) Cyclohexane	7.96	56	87668	43.325	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	87539	47.952	ug/l	100
36) 1,1-Dichloropropene	8.09	75	78295	47.386	ug/l	99
37) Ethyl Acetate	7.26	43	32037	53.507	ug/l	96
38) Carbon Tetrachloride	8.07	117	74861	47.314	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	96524	46.682	ug/l	99
40) Benzene	8.32	78	221888	49.750	ug/l	99
41) Methacrylonitrile	7.49	41	20179	54.269	ug/l	98
42) 1,2-Dichloroethane	8.40	62	64895	50.116	ug/l	99
43) Isopropyl Acetate	8.43	43	64586	56.605	ug/l	97
44) Trichloroethene	9.09	130	62229	49.772	ug/l	100
45) 1,2-Dichloropropane	9.37	63	55022	50.045	ug/l	95
46) Dibromomethane	9.46	93	28613	51.969	ug/l	99
47) Bromodichloromethane	9.65	83	73582	50.724	ug/l	99
48) Methyl methacrylate	9.44	41	31180	56.674	ug/l	97
49) 1,4-Dioxane	9.47	88	9532	1164.803	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	164848	285.890	ug/l	100
52) Toluene	10.39	92	154301	50.836	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	73270	52.141	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	87079	51.292	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	42175	52.065	ug/l	96
56) Ethyl methacrylate	10.65	69	55337	58.851	ug/l	98
57) 1,3-Dichloropropane	10.93	76	71758	52.860	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	120041	244.308	ug/l	100
59) 2-Hexanone	10.97	43	115340	292.104	ug/l	100
60) Dibromochloromethane	11.13	129	50056	54.230	ug/l	99
61) 1,2-Dibromoethane	11.24	107	40246	54.311	ug/l	98
64) Tetrachloroethene	10.87	164	53425	50.453	ug/l	97
65) Chlorobenzene	11.66	112	171942	50.049	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	51417	49.475	ug/l	98
67) Ethyl Benzene	11.73	91	308354	48.859	ug/l	99
68) m/p-Xylenes	11.84	106	244431	98.718	ug/l	100
69) o-Xylene	12.17	106	116291	49.809	ug/l	100
70) Styrene	12.18	104	191244	51.466	ug/l	99
71) Bromoform	12.35	173	26503	54.135	ug/l #	99
73) Isopropylbenzene	12.47	105	312739	48.418	ug/l	99
74) N-amyl acetate	12.27	43	62177	57.436	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	46117	53.649	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	28551m	43.719	ug/l	
77) Bromobenzene	12.75	156	69390	50.018	ug/l	99
78) n-propylbenzene	12.81	91	371805	47.521	ug/l	100
79) 2-Chlorotoluene	12.90	91	217202	48.147	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	271092	48.535	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13504	51.914	ug/l	97
82) 4-Chlorotoluene	12.99	91	231128	48.822	ug/l	99
83) tert-Butylbenzene	13.21	119	231554	47.883	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	274210	49.275	ug/l	100
85) sec-Butylbenzene	13.39	105	326199	47.747	ug/l	100
86) p-Isopropyltoluene	13.51	119	291121	48.302	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	139517	49.261	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	140604	49.792	ug/l	99
89) n-Butylbenzene	13.83	91	271778	47.917	ug/l	99
90) Hexachloroethane	14.10	117	42997	48.864	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	125436	50.545	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8553	58.913	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	81308	49.686	ug/l	99
94) Hexachlorobutadiene	15.24	225	43115	48.464	ug/l	97
95) Naphthalene	15.38	128	159405	53.662	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	70395	51.851	ug/l	99

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

