

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121318\
 Data File : VW007432.D
 Acq On : 12 Dec 2018 09:06
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 2:42:41 PM

Quant Time: Dec 12 11:28:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	83078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	141614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	128243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61971	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	45694	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	7.88	113	43593	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.32	98	165981	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.62	95	62376	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23631	40.704	ug/l	100
3) Chloromethane	2.22	50	21529	44.278	ug/l	100
4) Vinyl Chloride	2.37	62	25550	44.778	ug/l	95
5) Bromomethane	2.78	94	17492	45.627	ug/l	99
6) Chloroethane	2.93	64	14480	46.101	ug/l	99
7) Trichlorofluoromethane	3.26	101	23169	45.165	ug/l	99
8) Diethyl Ether	3.67	74	19954	49.698	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37994	44.886	ug/l	95
10) Methyl Iodide	4.26	142	67841	48.392	ug/l	98
11) Tert butyl alcohol	5.17	59	13633	215.371	ug/l	98
12) 1,1-Dichloroethene	4.04	96	38629	47.399	ug/l	96
13) Acrolein	3.89	56	9670	230.869	ug/l	93
14) Allyl chloride	4.67	41	55798	46.449	ug/l	99
15) Acrylonitrile	5.37	53	40169	237.325	ug/l	99
16) Acetone	4.12	43	33447	207.757	ug/l	95
17) Carbon Disulfide	4.37	76	117460	47.535	ug/l	98
18) Methyl Acetate	4.67	43	20383	46.649	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	59718	48.574	ug/l	99
20) Methylene Chloride	4.90	84	42182	47.736	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	44274	48.564	ug/l	98
22) Diisopropyl ether	6.31	45	111309	48.206	ug/l	98
23) Vinyl Acetate	6.25	43	300351	232.555	ug/l	98
24) 1,1-Dichloroethane	6.21	63	74717	47.877	ug/l	100
25) 2-Butanone	7.17	43	48059	228.663	ug/l	96
26) 2,2-Dichloropropane	7.17	77	44566	43.149	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	48899	48.985	ug/l	99
28) Bromochloromethane	7.51	49	27509	46.863	ug/l	99
29) Tetrahydrofuran	7.53	42	31398	235.979	ug/l	99
30) Chloroform	7.67	83	82287	48.453	ug/l	98
31) Cyclohexane	7.95	56	60934	42.557	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	71946	48.309	ug/l	100
36) 1,1-Dichloropropene	8.08	75	61814	47.849	ug/l	99
37) Ethyl Acetate	7.25	43	21958	45.700	ug/l	98
38) Carbon Tetrachloride	8.07	117	67790	48.227	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	73964	47.283	ug/l	91
40) Benzene	8.32	78	175932	49.073	ug/l	99
41) Methacrylonitrile	7.48	41	13388	48.930	ug/l	97
42) 1,2-Dichloroethane	8.40	62	55148	48.969	ug/l	99
43) Isopropyl Acetate	8.43	43	44340	46.718	ug/l	98
44) Trichloroethene	9.09	130	50406	49.236	ug/l	99
45) 1,2-Dichloropropane	9.37	63	41267	49.741	ug/l	98
46) Dibromomethane	9.46	93	23598	50.087	ug/l	95
47) Bromodichloromethane	9.65	83	61584	49.833	ug/l #	89
48) Methyl methacrylate	9.43	41	22632	46.430	ug/l	95
49) 1,4-Dioxane	9.45	88	7339	960.030	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	108786	242.581	ug/l	99
52) Toluene	10.39	92	116129	50.054	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	57847	48.216	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	66296	47.800	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	32776	51.115	ug/l	95
56) Ethyl methacrylate	10.65	69	39427	51.156	ug/l	98
57) 1,3-Dichloropropane	10.93	76	54302	51.595	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	90997	256.029	ug/l	99
59) 2-Hexanone	10.97	43	76251	254.996	ug/l	100
60) Dibromochloromethane	11.13	129	41677	51.503	ug/l	100
61) 1,2-Dibromoethane	11.24	107	32123	50.693	ug/l	97
64) Tetrachloroethene	10.87	164	45312	49.133	ug/l	96
65) Chlorobenzene	11.66	112	130741	48.912	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	45823	48.674	ug/l	99
67) Ethyl Benzene	11.73	91	229535	49.947	ug/l	93
68) m/p-Xylenes	11.84	106	175479	98.221	ug/l	99
69) o-Xylene	12.17	106	83237	49.886	ug/l	98
70) Styrene	12.18	104	136995	50.832	ug/l	98
71) Bromoform	12.35	173	23028	47.790	ug/l #	100
73) Isopropylbenzene	12.47	105	231410	48.734	ug/l	98
74) N-amyl acetate	12.27	43	41271	47.823	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	34234	48.676	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	26197m	51.269	ug/l	
77) Bromobenzene	12.75	156	52095	49.494	ug/l	97
78) n-propylbenzene	12.81	91	267966	50.144	ug/l	100
79) 2-Chlorotoluene	12.90	91	157505	48.710	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	198917	49.855	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	10506	45.419	ug/l	92
82) 4-Chlorotoluene	12.99	91	166610	48.881	ug/l	97
83) tert-Butylbenzene	13.21	119	171654	48.826	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	199645	48.625	ug/l	100
85) sec-Butylbenzene	13.39	105	235716	49.115	ug/l	96
86) p-Isopropyltoluene	13.50	119	212799	49.356	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	104316	49.708	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	103904	49.249	ug/l	97
89) n-Butylbenzene	13.83	91	195974	49.030	ug/l	99
90) Hexachloroethane	14.10	117	37132	48.402	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	92503	49.214	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6743	47.776	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	62415	48.252	ug/l	96
94) Hexachlorobutadiene	15.24	225	31680	46.159	ug/l	99
95) Naphthalene	15.38	128	120490	48.692	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	54682	48.664	ug/l	98

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

