

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
 Data File : VW006980.D
 Acq On : 20 Nov 2018 17:33
 Operator : SY/AP
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW112118

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 11:32:36 AM

Quant Time: Nov 21 08:51:51 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	120445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	186716	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	172306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	84626	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	58652	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	7.88	113	55878	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
50) Toluene-d8	10.33	98	251799	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
62) 4-Bromofluorobenzene	12.62	95	93473	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.00	85	58088	48.85	ug/l	99
3) Chloromethane	2.21	50	50427	50.88	ug/l	100
4) Vinyl Chloride	2.36	62	50289	51.57	ug/l	94
5) Bromomethane	2.78	94	27605	53.04	ug/l	94
6) Chloroethane	2.92	64	26623	49.53	ug/l	95
7) Trichlorofluoromethane	3.27	101	95462	49.79	ug/l	97
8) Diethyl Ether	3.69	74	28111	45.50	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	59820	48.12	ug/l	99
10) Methyl Iodide	4.28	142	74541	52.39	ug/l	100
11) Tert butyl alcohol	5.21	59	17414	226.85	ug/l #	89
12) 1,1-Dichloroethene	4.05	96	53854	49.40	ug/l	99
13) Acrolein	3.91	56	17879	226.80	ug/l	99
14) Allyl chloride	4.68	41	88368	48.87	ug/l	99
15) Acrylonitrile	5.37	53	54422	234.37	ug/l	99
16) Acetone	4.15	43	39562	231.08	ug/l	96
17) Carbon Disulfide	4.39	76	175480	49.79	ug/l	98
18) Methyl Acetate	4.68	43	26018	42.67	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	135452	47.58	ug/l	99
20) Methylene Chloride	4.92	84	62824	45.57	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	61041	48.07	ug/l	99
22) Diisopropyl ether	6.31	45	168226	47.80	ug/l	98
23) Vinyl Acetate	6.26	43	460873	246.59	ug/l	100
24) 1,1-Dichloroethane	6.22	63	102981	48.10	ug/l	99
25) 2-Butanone	7.18	43	67572	230.44	ug/l	98
26) 2,2-Dichloropropane	7.17	77	97447	50.61	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	64853	47.95	ug/l	99
28) Bromochloromethane	7.51	49	38177	47.71	ug/l	96
29) Tetrahydrofuran	7.54	42	43420	228.64	ug/l	99
30) Chloroform	7.68	83	105970	46.59	ug/l	100
31) Cyclohexane	7.95	56	109509	48.22	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	103017	50.28	ug/l	99
36) 1,1-Dichloropropene	8.09	75	91686	50.25	ug/l	99
37) Ethyl Acetate	7.26	43	30626	46.32	ug/l	98
38) Carbon Tetrachloride	8.07	117	89476	51.21	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	115430	50.55	ug/l	100
40) Benzene	8.33	78	244784	49.70	ug/l	99
41) Methacrylonitrile	7.49	41	18842	45.89	ug/l	97
42) 1,2-Dichloroethane	8.40	62	66739	46.67	ug/l	100
43) Isopropyl Acetate	8.43	43	61475	48.79	ug/l	98
44) Trichloroethene	9.09	130	68810	49.84	ug/l	97
45) 1,2-Dichloropropane	9.37	63	59861	49.30	ug/l	98
46) Dibromomethane	9.46	93	28938	47.60	ug/l	99
47) Bromodichloromethane	9.65	83	78060	48.73	ug/l	98
48) Methyl methacrylate	9.44	41	32323	53.20	ug/l	93
49) 1,4-Dioxane	9.48	88	9079	1004.67	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	154034	241.91	ug/l	99
52) Toluene	10.39	92	170889	50.98	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	77399	49.88	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	92727	49.46	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	41828	46.76	ug/l	98
56) Ethyl methacrylate	10.65	69	53280	51.31	ug/l	99
57) 1,3-Dichloropropane	10.93	76	71670	47.81	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	124240	228.97	ug/l	99
59) 2-Hexanone	10.97	43	110808	254.12	ug/l	99
60) Dibromochloromethane	11.13	129	50191	49.24	ug/l	99
61) 1,2-Dibromoethane	11.24	107	39964	48.84	ug/l	100
64) Tetrachloroethene	10.87	164	57580	51.94	ug/l	98
65) Chlorobenzene	11.66	112	184626	51.34	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	54530	50.12	ug/l	99
67) Ethyl Benzene	11.73	91	339137	51.33	ug/l	98
68) m/p-Xylenes	11.84	106	263050	101.49	ug/l	99
69) o-Xylene	12.17	106	123008	50.33	ug/l	99
70) Styrene	12.18	104	200120	51.45	ug/l	100
71) Bromoform	12.35	173	26017	50.77	ug/l #	100
73) Isopropylbenzene	12.47	105	341838	51.97	ug/l	100
74) N-amyl acetate	12.27	43	58903	53.44	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	44162	50.45	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	34071m	51.24	ug/l	
77) Bromobenzene	12.75	156	72296	51.18	ug/l	98
78) n-propylbenzene	12.81	91	412545	51.78	ug/l	99
79) 2-Chlorotoluene	12.90	91	234671	51.09	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	294370	51.76	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13723	51.81	ug/l	98
82) 4-Chlorotoluene	12.99	91	248507	51.55	ug/l	99
83) tert-Butylbenzene	13.21	119	253438	51.47	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	291359	51.42	ug/l	100
85) sec-Butylbenzene	13.39	105	363398	52.24	ug/l	100
86) p-Isopropyltoluene	13.51	119	318790	51.95	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	145882	50.58	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	145086	50.46	ug/l	99
89) n-Butylbenzene	13.83	91	304809	52.78	ug/l	99
90) Hexachloroethane	14.10	117	47019	52.48	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	128625	50.90	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7426	50.23	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	83855	50.32	ug/l	100
94) Hexachlorobutadiene	15.24	225	46279	51.09	ug/l	99
95) Naphthalene	15.38	128	150016	49.60	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	69453	50.24	ug/l	99

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

