

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112618\
 Data File : VW007057.D
 Acq On : 26 Nov 2018 19:23
 Operator : VAY/AP
 Sample : J6003-04MS
 Misc : 4.58G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 NON-UST-03R-AMS

Manual Integrations
 APPROVED

apatel
 11/27/2018 2:44:17 PM

Quant Time: Nov 27 06:50:15 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	66955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	128967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	92993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	24228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	52635	80.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	160.60%	
35) Dibromofluoromethane	7.89	113	43534	59.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.54%	
50) Toluene-d8	10.33	98	149805	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
62) 4-Bromofluorobenzene	12.62	95	42899	33.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	39454	59.68	ug/l	98
3) Chloromethane	2.21	50	40005	72.62	ug/l	97
4) Vinyl Chloride	2.36	62	36297	66.96	ug/l	99
5) Bromomethane	2.78	94	22434	77.54	ug/l	96
6) Chloroethane	2.92	64	21292	71.26	ug/l	98
7) Trichlorofluoromethane	3.26	101	61510	57.71	ug/l	95
8) Diethyl Ether	3.69	74	26852	78.19	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	25235	36.52	ug/l	99
10) Methyl Iodide	4.28	142	50244	63.52	ug/l	99
11) Tert butyl alcohol	5.21	59	20409	478.27	ug/l	99
12) 1,1-Dichloroethene	4.05	96	38980	64.32	ug/l	96
13) Acrolein	3.90	56	20953	478.13	ug/l	100
14) Allyl chloride	4.68	41	68712	68.36	ug/l	99
15) Acrylonitrile	5.38	53	63065	488.57	ug/l	100
16) Acetone	4.15	43	46859	492.36	ug/l	97
17) Carbon Disulfide	4.39	76	123988	63.28	ug/l	100
18) Methyl Acetate	4.68	43	44699	131.89	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	137658	86.99	ug/l	98
20) Methylene Chloride	4.93	84	59497	81.89	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	46799	66.29	ug/l	97
22) Diisopropyl ether	6.32	45	147036	75.15	ug/l	98
23) Vinyl Acetate	6.26	43	429681	413.56	ug/l	100
24) 1,1-Dichloroethane	6.22	63	80746	67.84	ug/l	99
25) 2-Butanone	7.18	43	77822	477.43	ug/l	95
26) 2,2-Dichloropropane	7.17	77	64484	60.25	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	52299	69.57	ug/l	98
28) Bromochloromethane	7.52	49	34559	77.69	ug/l	# 97
29) Tetrahydrofuran	7.54	42	51494	487.78	ug/l	99
30) Chloroform	7.68	83	85416	67.55	ug/l	96
31) Cyclohexane	7.96	56	28954	22.93	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	67018	58.84	ug/l	98
36) 1,1-Dichloropropene	8.09	75	54262	43.06	ug/l	98
37) Ethyl Acetate	7.26	43	34910	76.44	ug/l	98
38) Carbon Tetrachloride	8.07	117	48391	40.10	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	21818	13.83	ug/l	99
40) Benzene	8.33	78	187243	55.04	ug/l	97
41) Methacrylonitrile	7.49	41	23468	82.75	ug/l	97
42) 1,2-Dichloroethane	8.40	62	62226	63.00	ug/l	100
43) Isopropyl Acetate	8.43	43	69774	80.17	ug/l	94
44) Trichloroethene	9.10	130	45008	47.20	ug/l	94
45) 1,2-Dichloropropane	9.37	63	46955	55.99	ug/l	98
46) Dibromomethane	9.46	93	27623	65.78	ug/l	98
47) Bromodichloromethane	9.65	83	64445	58.24	ug/l	99
48) Methyl methacrylate	9.44	41	35224	83.94	ug/l	97
49) 1,4-Dioxane	9.48	88	8898	1425.54	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	170264	387.13	ug/l	99
52) Toluene	10.39	92	102442	44.25	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	68070	63.51	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	78135	60.34	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	54361	87.98	ug/l	95
56) Ethyl methacrylate	10.65	69	63863	89.04	ug/l	94
57) 1,3-Dichloropropane	10.93	76	66987	64.69	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	129193	344.72	ug/l	100
59) 2-Hexanone	10.98	43	147312	489.12	ug/l	87
60) Dibromochloromethane	11.13	129	47028	66.80	ug/l	98
61) 1,2-Dibromoethane	11.24	107	37672	66.65	ug/l	97
64) Tetrachloroethene	10.87	164	19871	33.22	ug/l	96
65) Chlorobenzene	11.66	112	102460	52.79	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	35372	60.24	ug/l	96
67) Ethyl Benzene	11.74	91	131500	36.88	ug/l	99
68) m/p-Xylenes	11.84	106	97479	69.68	ug/l	100
69) o-Xylene	12.17	106	48066	36.44	ug/l	94
70) Styrene	12.18	104	97871	46.62	ug/l	98
71) Bromoform	12.35	173	23620	85.40	ug/l #	93
73) Isopropylbenzene	12.47	105	280201	148.81	ug/l	99
74) N-amyl acetate	12.27	43	89179	282.58	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.72	83	50100	199.93	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	25699m	134.99	ug/l	
77) Bromobenzene	12.75	156	34362	84.96	ug/l	84
78) n-propylbenzene	12.81	91	372353	163.25	ug/l	99
79) 2-Chlorotoluene	12.90	91	63603	48.36	ug/l	83
80) 1,3,5-Trimethylbenzene	12.95	105	52586	32.30	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	14006	184.70	ug/l #	71
82) 4-Chlorotoluene	12.99	91	69493	50.35	ug/l	89
83) tert-Butylbenzene	13.21	119	55363	39.27	ug/l	93
84) 1,2,4-Trimethylbenzene	13.26	105	56818	35.02	ug/l	98
85) sec-Butylbenzene	13.39	105	276403	138.78	ug/l	87
86) p-Isopropyltoluene	13.51	119	37747	21.48	ug/l	90
87) 1,3-Dichlorobenzene	13.51	146	34508	41.79	ug/l #	80
88) 1,4-Dichlorobenzene	13.58	146	36372	44.18	ug/l #	78
89) n-Butylbenzene	13.83	91	142070	85.92	ug/l #	83
90) Hexachloroethane	14.10	117	76145	296.84	ug/l #	20
91) 1,2-Dichlorobenzene	13.88	146	36603	50.59	ug/l #	49
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7152	168.99	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	10694	22.42	ug/l #	1
94) Hexachlorobutadiene	15.24	225	2464	9.50	ug/l	98
95) Naphthalene	15.38	128	55196	63.74	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.57	180	9499	24.00	ug/l #	1

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

