

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
 Data File : VW007088.D
 Acq On : 27 Nov 2018 15:29
 Operator : VAY/AP
 Sample : J6003-04MS
 Misc : 4.78G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

apatel
 11/28/2018 11:55:00 AM

Quant Time: Nov 28 01:01:13 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	65515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	126085	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	86618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	27814	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	46748	72.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.76%	
35) Dibromofluoromethane	7.89	113	40365	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
50) Toluene-d8	10.32	98	149999	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.62	95	60090	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	41072	63.50	ug/l	99
3) Chloromethane	2.21	50	40887	75.85	ug/l	97
4) Vinyl Chloride	2.36	62	37686	71.05	ug/l	97
5) Bromomethane	2.78	94	23389	82.62	ug/l	94
6) Chloroethane	2.92	64	22136	75.71	ug/l	100
7) Trichlorofluoromethane	3.26	101	63732	61.11	ug/l	92
8) Diethyl Ether	3.68	74	26396	78.55	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	24789	36.66	ug/l	99
10) Methyl Iodide	4.28	142	57044	73.70	ug/l	99
11) Tert butyl alcohol	5.21	59	17409	416.93	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	40038	67.52	ug/l	98
13) Acrolein	3.90	56	16261	379.22	ug/l	97
14) Allyl chloride	4.68	41	72377	73.59	ug/l	100
15) Acrylonitrile	5.38	53	56067	443.90	ug/l	99
16) Acetone	4.15	43	42143	452.54	ug/l	100
17) Carbon Disulfide	4.39	76	126092	65.77	ug/l	97
18) Methyl Acetate	4.68	43	29974	90.38	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	131761	85.10	ug/l	95
20) Methylene Chloride	4.92	84	56087	78.67	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	47086	68.16	ug/l	96
22) Diisopropyl ether	6.32	45	147696	77.15	ug/l	99
23) Vinyl Acetate	6.26	43	439460	432.27	ug/l	99
24) 1,1-Dichloroethane	6.22	63	84196	72.29	ug/l	99
25) 2-Butanone	7.18	43	71211	446.47	ug/l	99
26) 2,2-Dichloropropane	7.17	77	68797	65.69	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	55050	74.83	ug/l	96
28) Bromochloromethane	7.52	49	33241	76.37	ug/l #	100
29) Tetrahydrofuran	7.54	42	45036	435.98	ug/l	99
30) Chloroform	7.68	83	86997	70.31	ug/l	98
31) Cyclohexane	7.95	56	29788	24.11	ug/l	91
32) 1,1,1-Trichloroethane	7.88	97	66496	59.67	ug/l	99
36) 1,1-Dichloropropene	8.09	75	53488	43.41	ug/l	99
37) Ethyl Acetate	7.26	43	31828	71.29	ug/l	98
38) Carbon Tetrachloride	8.07	117	48213	40.86	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	41437	26.87	ug/l	96
40) Benzene	8.33	78	188664	56.73	ug/l	99
41) Methacrylonitrile	7.49	41	21626	77.99	ug/l	90
42) 1,2-Dichloroethane	8.40	62	61532	63.72	ug/l	99
43) Isopropyl Acetate	8.43	43	66070	77.65	ug/l	95
44) Trichloroethene	9.09	130	44481	47.71	ug/l	93
45) 1,2-Dichloropropane	9.37	63	46826	57.11	ug/l	100
46) Dibromomethane	9.46	93	26763	65.18	ug/l	99
47) Bromodichloromethane	9.65	83	65372	60.43	ug/l	97
48) Methyl methacrylate	9.44	41	33837	82.48	ug/l	95
49) 1,4-Dioxane	9.48	88	7667	1256.40	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	159005	369.79	ug/l	99
52) Toluene	10.39	92	99379	43.91	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	65563	62.57	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	75981	60.02	ug/l	97
55) 1,1,2-Trichloroethane	10.77	97	111337	184.31	ug/l #	31
56) Ethyl methacrylate	10.65	69	99606	142.06	ug/l #	77
57) 1,3-Dichloropropane	10.93	76	60840	60.10	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	118881	324.45	ug/l	100
59) 2-Hexanone	10.97	43	98146m	333.32	ug/l	
60) Dibromochloromethane	11.13	129	43927	63.82	ug/l	99
61) 1,2-Dibromoethane	11.24	107	34999	63.34	ug/l	87
64) Tetrachloroethene	10.87	164	18751	33.65	ug/l	97
65) Chlorobenzene	11.66	112	98234	54.34	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	34847	63.72	ug/l	96
67) Ethyl Benzene	11.73	91	127084	38.27	ug/l	98
68) m/p-Xylenes	11.84	106	91847	70.49	ug/l	98
69) o-Xylene	12.17	106	46042	37.48	ug/l	94
70) Styrene	12.18	104	90543	46.30	ug/l	98
71) Bromoform	12.35	173	19764	76.72	ug/l #	95
73) Isopropylbenzene	12.47	105	472767	218.70	ug/l	99
74) N-amyl acetate	12.26	43	242636	669.72	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.71	83	67697	235.32	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	27600m	126.28	ug/l	
77) Bromobenzene	12.75	156	31429	67.69	ug/l	97
78) n-propylbenzene	12.81	91	684265	261.33	ug/l	100
79) 2-Chlorotoluene	12.90	91	63578	42.11	ug/l	86
80) 1,3,5-Trimethylbenzene	12.94	105	53041	28.37	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13074	150.18	ug/l #	1
82) 4-Chlorotoluene	12.99	91	67759	42.77	ug/l	73
83) tert-Butylbenzene	13.21	119	74599	46.09	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	57153	30.69	ug/l	99
85) sec-Butylbenzene	13.39	105	607649	265.77	ug/l	86
86) p-Isopropyltoluene	13.51	119	40023	19.84	ug/l	88
87) 1,3-Dichlorobenzene	13.51	146	32583	34.38	ug/l #	1
88) 1,4-Dichlorobenzene	13.58	146	34071	36.05	ug/l #	1
89) n-Butylbenzene	13.83	91	313767	165.30	ug/l #	84
90) Hexachloroethane	14.10	117	145941	495.58	ug/l #	17
91) 1,2-Dichlorobenzene	13.87	146	32936	39.66	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9327	191.96	ug/l #	51

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	12588	22.98	ug/l #	1
94) Hexachlorobutadiene	15.24	225	2665	8.95	ug/l	93
95) Naphthalene	15.38	128	35687	35.90	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.58	180	12141	26.72	ug/l #	13

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

