

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080618\
 Data File : VW004482.D
 Acq On : 06 Aug 2018 20:53
 Operator : SY/AP
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

apatel
 8/7/2018 4:49:15 PM

Quant Time: Aug 07 08:16:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:40:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	768105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1215768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1109260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	574726	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	1250882	159.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.30%	
35) Dibromofluoromethane	7.88	113	1188393	153.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.64%	
50) Toluene-d8	10.33	98	4618394	151.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.40%	
62) 4-Bromofluorobenzene	12.62	95	1697181	156.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	737721	236.99	ug/l	100
3) Chloromethane	2.22	50	1209579	246.28	ug/l	98
4) Vinyl Chloride	2.37	62	1475756	185.63	ug/l	98
5) Bromomethane	2.78	94	888529	173.75	ug/l	98
6) Chloroethane	2.92	64	917032	184.61	ug/l	97
7) Trichlorofluoromethane	3.25	101	597928	136.32	ug/l	97
8) Diethyl Ether	3.67	74	681172	164.82	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	1194742	153.00	ug/l	100
10) Methyl Iodide	4.27	142	1873936	161.15	ug/l	100
11) Tert butyl alcohol	5.22	59	363674	645.79	ug/l	97
12) 1,1-Dichloroethene	4.03	96	1235484	159.11	ug/l	99
13) Acrolein	3.89	56	430323	829.09	ug/l	99
14) Allyl chloride	4.66	41	1934903	157.30	ug/l	99
15) Acrylonitrile	5.37	53	1582070	878.27	ug/l	99
16) Acetone	4.14	43	1416068	791.81	ug/l	98
17) Carbon Disulfide	4.38	76	3984848	165.86	ug/l	99
18) Methyl Acetate	4.67	43	769749	164.64	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	1759073	131.76	ug/l	96
20) Methylene Chloride	4.92	84	1386328	160.43	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	1326190	159.01	ug/l	100
22) Diisopropyl ether	6.31	45	3961716	167.90	ug/l	99
23) Vinyl Acetate	6.26	43	12463473	902.53	ug/l	99
24) 1,1-Dichloroethane	6.21	63	2404598	157.71	ug/l	99
25) 2-Butanone	7.18	43	2557914	1100.34	ug/l	99
26) 2,2-Dichloropropane	7.17	77	1160706	134.76	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	1476835	172.99	ug/l	99
28) Bromochloromethane	7.51	49	1052441	189.74	ug/l	100
29) Tetrahydrofuran	7.54	42	1368040	957.07	ug/l	100
30) Chloroform	7.68	83	2321435	159.75	ug/l	99
31) Cyclohexane	7.96	56	2293549	169.49	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	1754304	149.15	ug/l	99
36) 1,1-Dichloropropene	8.09	75	1903905	154.77	ug/l	100
37) Ethyl Acetate	7.26	43	912579	178.96	ug/l	99
38) Carbon Tetrachloride	8.07	117	1694455	141.19	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	2536080	169.67	ug/l	99
40) Benzene	8.32	78	5559318	159.92	ug/l	100
41) Methacrylonitrile	7.49	41	528163	181.01	ug/l	99
42) 1,2-Dichloroethane	8.40	62	1509981	152.76	ug/l	100
43) Isopropyl Acetate	8.43	43	1734510	189.43	ug/l	99
44) Trichloroethene	9.09	130	1387484	149.45	ug/l	99
45) 1,2-Dichloropropane	9.37	63	1421136	164.69	ug/l	98
46) Dibromomethane	9.46	93	707808	160.23	ug/l	99
47) Bromodichloromethane	9.65	83	1719804	155.50	ug/l	99
48) Methyl methacrylate	9.44	41	829269	179.27	ug/l	99
49) 1,4-Dioxane	9.48	88	234101	3487.35	ug/l #	94
51) 4-Methyl-2-Pentanone	10.22	43	5764962	1081.31	ug/l	99
52) Toluene	10.39	92	3336379	153.95	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	1807943	163.22	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	2105725	162.94	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	998852	159.22	ug/l	100
56) Ethyl methacrylate	10.65	69	1423733	186.70	ug/l	100
57) 1,3-Dichloropropane	10.94	76	1761635	164.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	3392575	972.04	ug/l	99
59) 2-Hexanone	10.98	43	3910674	1071.80	ug/l	99
60) Dibromochloromethane	11.13	129	1136733	152.61	ug/l	100
61) 1,2-Dibromoethane	11.24	107	953235	159.05	ug/l	100
64) Tetrachloroethene	10.87	164	1167983	144.71	ug/l	97
65) Chlorobenzene	11.66	112	3607458	154.42	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	1270713	154.05	ug/l	99
67) Ethyl Benzene	11.74	91	6456732	157.91	ug/l	98
68) m/p-Xylenes	11.85	106	4911184	313.00	ug/l	98
69) o-Xylene	12.17	106	2388428	164.61	ug/l	100
70) Styrene	12.19	104	3995109	162.35	ug/l	99
71) Bromoform	12.35	173	707833	153.47	ug/l	99
73) Isopropylbenzene	12.47	105	6431923	160.44	ug/l	100
74) N-amyl acetate	12.28	43	1674238	190.11	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	1231316	171.36	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	868532m	167.22	ug/l	
77) Bromobenzene	12.76	156	1476019	153.02	ug/l	100
78) n-propylbenzene	12.81	91	7685152	157.69	ug/l	99
79) 2-Chlorotoluene	12.90	91	4392203	157.28	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	5361168	155.32	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	413009	180.34	ug/l	96
82) 4-Chlorotoluene	12.99	91	4499965	151.45	ug/l	98
83) tert-Butylbenzene	13.21	119	4683732	163.17	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	5537356	156.93	ug/l	99
85) sec-Butylbenzene	13.39	105	6815909	162.35	ug/l	100
86) p-Isopropyltoluene	13.51	119	5964032	158.66	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	2968749	152.91	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	2889481	149.24	ug/l	99
89) n-Butylbenzene	13.83	91	5877488	165.88	ug/l	99
90) Hexachloroethane	14.10	117	1101495	163.89	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	2680321	153.97	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	209990	168.80	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	2002670	164.05	ug/l	99
94) Hexachlorobutadiene	15.24	225	1110282	149.62	ug/l	100
95) Naphthalene	15.38	128	4033794	188.59	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	1783470	165.79	ug/l	99

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

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