

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070218\
 Data File : VW003679.D
 Acq On : 02 Jul 2018 16:32
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 7/3/2018 10:16:21 AM

Quant Time: Jul 03 08:53:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 02:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	236284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	382975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	184536	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	13987	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	
35) Dibromofluoromethane	7.88	113	12105	5.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.02%	
50) Toluene-d8	10.33	98	45269	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	
62) 4-Bromofluorobenzene	12.62	95	16229	4.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	5447m	6.88	ug/l	
3) Chloromethane	2.20	50	10696	5.81	ug/l	95
4) Vinyl Chloride	2.36	62	14793	5.56	ug/l	96
5) Bromomethane	2.78	94	8980	5.11	ug/l	98
6) Chloroethane	2.92	64	8295	4.58	ug/l	93
7) Trichlorofluoromethane	3.25	101	7831	5.05	ug/l	93
8) Diethyl Ether	3.67	74	6795	5.76	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11955	5.38	ug/l	98
10) Methyl Iodide	4.26	142	17319	5.17	ug/l	100
11) Tert butyl alcohol	5.23	59	4889m	34.46	ug/l	
12) 1,1-Dichloroethene	4.03	96	12161	5.57	ug/l	91
13) Acrolein	3.89	56	3384	19.46	ug/l	96
14) Allyl chloride	4.65	41	19948	5.30	ug/l	98
15) Acrylonitrile	5.37	53	14849	30.05	ug/l	99
16) Acetone	4.15	43	21480	38.64	ug/l	96
17) Carbon Disulfide	4.36	76	36625	5.60	ug/l	98
18) Methyl Acetate	4.68	43	12441	9.63	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	21417	5.23	ug/l	99
20) Methylene Chloride	4.91	84	25363	9.39	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	12933	5.42	ug/l	91
22) Diisopropyl ether	6.31	45	37082	4.88	ug/l #	90
23) Vinyl Acetate	6.26	43	94880	21.37	ug/l	98
24) 1,1-Dichloroethane	6.21	63	24348	5.40	ug/l	96
25) 2-Butanone	7.19	43	21701	31.14	ug/l	95
26) 2,2-Dichloropropane	7.16	77	17110	5.79	ug/l	92
27) cis-1,2-Dichloroethene	7.17	96	13619	5.25	ug/l	96
28) Bromochloromethane	7.51	49	10021	5.35	ug/l	97
29) Tetrahydrofuran	7.54	42	12284	28.74	ug/l	96
30) Chloroform	7.68	83	24907	5.44	ug/l	97
31) Cyclohexane	7.95	56	25074	5.93	ug/l #	76
32) 1,1,1-Trichloroethane	7.87	97	19153	5.11	ug/l	96
36) 1,1-Dichloropropene	8.09	75	19036	5.05	ug/l	99
37) Ethyl Acetate	7.26	43	8499	5.32	ug/l	96
38) Carbon Tetrachloride	8.07	117	18556	5.06	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	20752	4.75	ug/l	89
40) Benzene	8.32	78	53539	5.15	ug/l	98
41) Methacrylonitrile	7.49	41	4719	4.88	ug/l	94
42) 1,2-Dichloroethane	8.40	62	17597	5.41	ug/l	100
43) Isopropyl Acetate	8.43	43	16337	5.21	ug/l	97
44) Trichloroethene	9.09	130	14444	5.29	ug/l	99
45) 1,2-Dichloropropane	9.37	63	13978	5.29	ug/l	97
46) Dibromomethane	9.46	93	7162	5.27	ug/l	99
47) Bromodichloromethane	9.65	83	17517	5.05	ug/l #	99
48) Methyl methacrylate	9.44	41	7114	4.81	ug/l	93
49) 1,4-Dioxane	9.48	88	2131	103.60	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	41306	25.68	ug/l	99
52) Toluene	10.39	92	32592	4.90	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	16883	4.76	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	19499	4.82	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	10162	5.31	ug/l	93
56) Ethyl methacrylate	10.65	69	10201	4.36	ug/l	91
57) 1,3-Dichloropropane	10.94	76	17289	5.22	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.93	63	26489	25.67	ug/l	98
59) 2-Hexanone	10.98	43	28598	25.40	ug/l	94
60) Dibromochloromethane	11.13	129	11548	5.10	ug/l	96
61) 1,2-Dibromoethane	11.24	107	9794	5.41	ug/l	98
64) Tetrachloroethene	10.87	164	12629	5.31	ug/l	97
65) Chlorobenzene	11.66	112	37410	5.05	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	12520	4.81	ug/l	97
67) Ethyl Benzene	11.74	91	60834	4.62	ug/l	98
68) m/p-Xylenes	11.84	106	45701	9.14	ug/l	100
69) o-Xylene	12.17	106	20858	4.52	ug/l	98
70) Styrene	12.19	104	32426	4.20	ug/l	96
71) Bromoform	12.35	173	6802	5.01	ug/l #	97
73) Isopropylbenzene	12.47	105	56317	4.37	ug/l	99
74) N-amyl acetate	12.28	43	14310	4.77	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	12207	5.49	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	8045m	5.03	ug/l	
77) Bromobenzene	12.75	156	14610	4.85	ug/l	97
78) n-propylbenzene	12.81	91	69959	4.42	ug/l	99
79) 2-Chlorotoluene	12.90	91	41462	4.64	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	47765	4.41	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	3412	4.85	ug/l	95
82) 4-Chlorotoluene	12.99	91	44097	4.65	ug/l	100
83) tert-Butylbenzene	13.21	119	39403	4.27	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	48492	4.34	ug/l	100
85) sec-Butylbenzene	13.39	105	60395	4.40	ug/l	100
86) p-Isopropyltoluene	13.51	119	50738	4.20	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	30287	4.91	ug/l	98
88) 1,4-Dichlorobenzene	13.59	146	31138	5.07	ug/l	94
89) n-Butylbenzene	13.83	91	51618	4.38	ug/l	98
90) Hexachloroethane	14.10	117	10242	4.68	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	27194	5.02	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2140	5.71	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	18469	4.85	ug/l	99
94) Hexachlorobutadiene	15.25	225	11124	4.90	ug/l	98
95) Naphthalene	15.38	128	29780	4.56	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	16667	4.97	ug/l	97

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

