

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX040418\
 Data File : VX000659.D
 Acq On : 04 Apr 2018 15:53
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

sam
 4/5/2018 6:25:02 PM

Quant Time: Apr 05 02:23:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 05 02:06:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	93047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	150441	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	149621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	76420	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.09	65	1857	1.47	ug/l	0.00
Spiked Amount			Recovery	=	2.94%	
35) Dibromofluoromethane	5.51	113	1035m	1.08	ug/l	0.00
Spiked Amount			Recovery	=	2.16%	
50) Toluene-d8	8.72	98	4081	1.02	ug/l	0.00
Spiked Amount			Recovery	=	2.04%	
62) 4-Bromofluorobenzene	11.15	95	1556	0.98	ug/l	0.00
Spiked Amount			Recovery	=	1.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1363	1.29	ug/l	90
3) Chloromethane	1.32	50	1238	1.16	ug/l	96
4) Vinyl Chloride	1.40	62	1801	1.53	ug/l	96
5) Bromomethane	1.65	94	1241	0.88	ug/l	84
6) Chloroethane	1.73	64	1101	1.24	ug/l #	87
7) Trichlorofluoromethane	1.93	101	2490	1.18	ug/l #	76
8) Diethyl Ether	2.19	74	1020	1.34	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1402	1.19	ug/l	93
12) 1,1-Dichloroethene	2.38	96	1520	1.48	ug/l	82
14) Allyl chloride	2.73	41	3172	1.58	ug/l	94
15) Acrylonitrile	3.15	53	5311	5.96	ug/l #	93
16) Acetone	2.45	43	8399	8.09	ug/l #	88
17) Carbon Disulfide	2.57	76	3383	1.16	ug/l	97
18) Methyl Acetate	2.78	43	3043	1.37	ug/l	91
19) Methyl tert-butyl Ether	3.22	73	4473	1.16	ug/l #	90
20) Methylene Chloride	2.86	84	1999	1.68	ug/l	90
21) trans-1,2-Dichloroethene	3.18	96	1624	1.42	ug/l #	57
22) Diisopropyl ether	3.87	45	4443	1.40	ug/l #	95
23) Vinyl Acetate	3.83	43	20602	7.01	ug/l	95
24) 1,1-Dichloroethane	3.70	63	2567	1.27	ug/l #	80
25) 2-Butanone	4.72	43	7268	6.34	ug/l #	89
26) 2,2-Dichloropropane	4.60	77	1362m	1.01	ug/l	
27) cis-1,2-Dichloroethene	4.61	96	1113	1.08	ug/l	94
28) Bromochloromethane	5.03	49	859	1.06	ug/l #	93
29) Tetrahydrofuran	5.17	42	4246	5.99	ug/l #	83
30) Chloroform	5.23	83	2160	1.17	ug/l	96
31) Cyclohexane	5.59	56	1812	1.20	ug/l #	94
32) 1,1,1-Trichloroethane	5.51	97	1537	0.93	ug/l #	52
36) 1,1-Dichloropropene	5.80	75	1661	1.19	ug/l	86
37) Ethyl Acetate	4.87	43	2251	1.17	ug/l #	84
38) Carbon Tetrachloride	5.78	117	1485	1.03	ug/l #	82
39) Methylcyclohexane	7.46	83	2157	1.29	ug/l	93
40) Benzene	6.15	78	4409	1.10	ug/l #	87
41) Methacrylonitrile	5.07	41	1470m	1.43	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	6.20	62	1857	1.16	ug/l	86
43) Isopropyl Acetate	6.48	43	3058	1.06	ug/l #	89
44) Trichloroethene	7.23	130	1454	1.26	ug/l	44
45) 1,2-Dichloropropane	7.52	63	1141	1.10	ug/l #	79
46) Dibromomethane	7.67	93	824	1.02	ug/l	91
47) Bromodichloromethane	7.90	83	1489	1.04	ug/l #	83
48) Methyl methacrylate	7.79	41	1714	1.23	ug/l	91
49) 1,4-Dioxane	7.77	88	725m	24.48	ug/l	
51) 4-Methyl-2-Pentanone	8.66	43	10703	4.74	ug/l	99
52) Toluene	8.79	92	2894	1.02	ug/l	79
53) t-1,3-Dichloropropene	8.45	75	1429	0.86	ug/l #	62
54) cis-1,3-Dichloropropene	9.05	75	1375	0.85	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	1065	0.91	ug/l	94
56) Ethyl methacrylate	9.20	69	1626	0.92	ug/l #	82
57) 1,3-Dichloropropane	9.38	76	2046	1.09	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.32	63	4000	4.82	ug/l	98
59) 2-Hexanone	9.51	43	9063	4.71	ug/l	96
60) Dibromochloromethane	9.60	129	1011	0.85	ug/l	100
61) 1,2-Dibromoethane	9.68	107	1153	0.92	ug/l	94
64) Tetrachloroethene	9.34	164	1043	0.93	ug/l #	85
65) Chlorobenzene	10.15	112	3056	0.94	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	1073	0.98	ug/l #	64
67) Ethyl Benzene	10.26	91	5603	1.01	ug/l	99
68) m/p-Xylenes	10.37	106	3330	1.53	ug/l	86
69) o-Xylene	10.71	106	1859	0.88	ug/l	99
70) Styrene	10.72	104	2891	0.83	ug/l	92
71) Bromoform	10.87	173	696	0.71	ug/l #	83
73) Isopropylbenzene	11.02	105	4872	0.99	ug/l	89
74) N-amyl acetate	6.48	43	3058	1.23	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	1918	1.09	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	2040m	1.26	ug/l	
77) Bromobenzene	11.26	156	1332	1.02	ug/l	93
78) n-propylbenzene	11.37	91	5949	1.00	ug/l	92
79) 2-Chlorotoluene	11.43	91	3365	0.98	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	3897	0.94	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.09	75	371	0.75	ug/l #	39
82) 4-Chlorotoluene	11.52	91	4324	1.05	ug/l	98
83) tert-Butylbenzene	11.78	119	3926	0.94	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	4123	0.95	ug/l	95
85) sec-Butylbenzene	11.96	105	4741	0.91	ug/l	92
86) p-Isopropyltoluene	12.07	119	3844	0.83	ug/l	86
87) 1,3-Dichlorobenzene	12.03	146	2333	0.94	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	2930m	1.12	ug/l	
89) n-Butylbenzene	12.40	91	4420	1.02	ug/l	97
90) Hexachloroethane	12.60	117	806	1.12	ug/l	73
91) 1,2-Dichlorobenzene	12.40	146	2702	1.11	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.01	75	489	0.99	ug/l	80
93) 1,2,4-Trichlorobenzene	13.65	180	1643	0.94	ug/l	93
94) Hexachlorobutadiene	13.79	225	729	1.03	ug/l	93
95) Naphthalene	13.84	128	5353	0.88	ug/l #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.03	180	1700	0.99	ug/l	96

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

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