

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004838.D
 Acq On : 28 Sep 2018 23:39
 Operator : JC/MD
 Sample : VX0928WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 1:31:30 PM

Quant Time: Sep 29 06:44:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	344403	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	330077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198513	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	174145	52.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.64%	
35) Dibromofluoromethane	5.50	113	140371	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.18%	
50) Toluene-d8	8.72	98	511059	52.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.34%	
62) 4-Bromofluorobenzene	11.14	95	183539	52.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	76213	23.992	ug/l	100
3) Chloromethane	1.32	50	82540	21.416	ug/l	100
4) Vinyl Chloride	1.40	62	77998	21.578	ug/l	94
5) Bromomethane	1.64	94	38984	18.187	ug/l	97
6) Chloroethane	1.72	64	45278	21.666	ug/l	94
7) Trichlorofluoromethane	1.93	101	100970	22.563	ug/l	88
8) Diethyl Ether	2.19	74	39310	20.221	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.39	101	56563	22.190	ug/l	98
10) Methyl Iodide	2.51	142	38223	11.206	ug/l	100
11) Tert butyl alcohol	3.07	59	101149	108.694	ug/l	100
12) 1,1-Dichloroethene	2.37	96	53943	21.368	ug/l	84
13) Acrolein	2.29	56	48738	73.610	ug/l	99
14) Allyl chloride	2.73	41	116374	21.128	ug/l	96
15) Acrylonitrile	3.15	53	216345	105.608	ug/l	99
16) Acetone	2.45	43	192763	99.207	ug/l	93
17) Carbon Disulfide	2.57	76	154859	20.415	ug/l #	93
18) Methyl Acetate	2.78	43	115210	23.403	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	192299	22.084	ug/l	97
20) Methylene Chloride	2.86	84	61852	21.414	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	56324	20.382	ug/l	94
22) Diisopropyl ether	3.87	45	207850	22.409	ug/l	96
23) Vinyl Acetate	3.82	43	890646	104.903	ug/l	99
24) 1,1-Dichloroethane	3.70	63	115663	20.905	ug/l	97
25) 2-Butanone	4.70	43	288354	100.678	ug/l	91
26) 2,2-Dichloropropane	4.58	77	68156	17.690	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	62150	20.132	ug/l	92
28) Bromochloromethane	5.02	49	54430	20.891	ug/l	88
29) Tetrahydrofuran	5.16	42	190933	107.257	ug/l	91
30) Chloroform	5.21	83	109738	20.986	ug/l	98
31) Cyclohexane	5.57	56	99276	23.444	ug/l	85
32) 1,1,1-Trichloroethane	5.49	97	91322	21.385	ug/l	99
36) 1,1-Dichloropropene	5.80	75	76534	19.218	ug/l	98
37) Ethyl Acetate	4.85	43	103967	19.667	ug/l	98
38) Carbon Tetrachloride	5.78	117	76154	18.192	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	83861	20.623	ug/l	95
40) Benzene	6.14	78	250039	20.055	ug/l	94
41) Methacrylonitrile	5.06	41	57992	19.781	ug/l	97
42) 1,2-Dichloroethane	6.20	62	86917	19.720	ug/l	97
43) Isopropyl Acetate	6.46	43	146909	19.254	ug/l	96
44) Trichloroethene	7.21	130	61068	19.925	ug/l	96
45) 1,2-Dichloropropane	7.52	63	62682	20.501	ug/l	99
46) Dibromomethane	7.66	93	39497	20.555	ug/l	97
47) Bromodichloromethane	7.90	83	73924	20.548	ug/l	99
48) Methyl methacrylate	7.77	41	74995	21.655	ug/l	95
49) 1,4-Dioxane	7.76	88	34077	396.074	ug/l	91
51) 4-Methyl-2-Pentanone	8.65	43	526808	109.657	ug/l	93
52) Toluene	8.79	92	143555	20.955	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	78139	19.221	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	88646	20.818	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	60271	20.084	ug/l	98
56) Ethyl methacrylate	9.18	69	89054	20.103	ug/l	95
57) 1,3-Dichloropropane	9.37	76	100644	20.151	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	253141	106.566	ug/l	93
59) 2-Hexanone	9.49	43	408778	102.108	ug/l	93
60) Dibromochloromethane	9.59	129	57755	19.245	ug/l	99
61) 1,2-Dibromoethane	9.67	107	61252	19.059	ug/l	99
64) Tetrachloroethene	9.34	164	59233	18.233	ug/l	98
65) Chlorobenzene	10.14	112	158743	18.755	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	55897	18.785	ug/l	100
67) Ethyl Benzene	10.25	91	264755	19.702	ug/l	96
68) m/p-Xylenes	10.36	106	205915	39.214	ug/l	93
69) o-Xylene	10.70	106	98614	20.446	ug/l	96
70) Styrene	10.71	104	166494	19.807	ug/l	96
71) Bromoform	10.86	173	46293	18.172	ug/l	100
73) Isopropylbenzene	11.02	105	269552	21.543	ug/l	99
74) N-amyl acetate	10.90	43	126559	19.507	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	97301	19.103	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	87899m	19.755	ug/l	
77) Bromobenzene	11.26	156	72485	19.944	ug/l	97
78) n-propylbenzene	11.36	91	312111	21.740	ug/l	98
79) 2-Chlorotoluene	11.42	91	186304	20.819	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	228015	19.763	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	23970	16.097	ug/l	96
82) 4-Chlorotoluene	11.51	91	218861	20.778	ug/l	99
83) tert-Butylbenzene	11.77	119	220760	21.429	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	233929	19.659	ug/l	98
85) sec-Butylbenzene	11.94	105	269669	21.491	ug/l	99
86) p-Isopropyltoluene	12.07	119	237759	20.913	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	131254	19.341	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	135905	19.400	ug/l	98
89) n-Butylbenzene	12.39	91	203641	19.723	ug/l	97
90) Hexachloroethane	12.60	117	37125	19.613	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	133838	18.871	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21980	19.654	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	95003	19.096	ug/l	99
94) Hexachlorobutadiene	13.79	225	46399	17.985	ug/l	94
95) Naphthalene	13.83	128	299726	18.610	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	99564	19.373	ug/l	99

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

