

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092818\
 Data File : VX004834.D
 Acq On : 28 Sep 2018 20:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 1:31:29 PM

Quant Time: Sep 29 07:25:25 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	229299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205527	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	165837	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
35) Dibromofluoromethane	5.50	113	134702	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
50) Toluene-d8	8.72	98	513408	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	11.14	95	190728	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	184100	58.885	ug/l	97
3) Chloromethane	1.32	50	197350	52.029	ug/l	98
4) Vinyl Chloride	1.40	62	196103	55.123	ug/l	98
5) Bromomethane	1.64	94	87650	41.548	ug/l	100
6) Chloroethane	1.71	64	112994	58.685	ug/l	96
7) Trichlorofluoromethane	1.92	101	251059	57.004	ug/l	96
8) Diethyl Ether	2.19	74	100750	52.657	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	139445	55.583	ug/l	99
10) Methyl Iodide	2.51	142	104584	31.153	ug/l	99
11) Tert butyl alcohol	3.08	59	242265	264.519	ug/l	99
12) 1,1-Dichloroethene	2.37	96	133963	53.919	ug/l	93
13) Acrolein	2.29	56	119170	182.877	ug/l	96
14) Allyl chloride	2.73	41	301293	55.579	ug/l	94
15) Acrylonitrile	3.15	53	543066	269.354	ug/l	99
16) Acetone	2.45	43	473836	247.780	ug/l	96
17) Carbon Disulfide	2.57	76	388463	52.033	ug/l	99
18) Methyl Acetate	2.78	43	281104	58.018	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	485281	56.626	ug/l	96
20) Methylene Chloride	2.85	84	154885	55.803	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	143606	52.801	ug/l	95
22) Diisopropyl ether	3.87	45	512645	56.159	ug/l	95
23) Vinyl Acetate	3.82	43	2272917	272.013	ug/l	96
24) 1,1-Dichloroethane	3.70	63	289328	53.134	ug/l	95
25) 2-Butanone	4.70	43	731034	259.340	ug/l	94
26) 2,2-Dichloropropane	4.58	77	186230	49.113	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	158597	52.199	ug/l	95
28) Bromochloromethane	5.01	49	128767	50.216	ug/l	89
29) Tetrahydrofuran	5.15	42	480561	274.293	ug/l	92
30) Chloroform	5.21	83	266424	51.770	ug/l	98
31) Cyclohexane	5.57	56	244676	58.708	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	224704	53.464	ug/l	99
36) 1,1-Dichloropropene	5.79	75	199823	49.707	ug/l	99
37) Ethyl Acetate	4.86	43	261633	49.030	ug/l	98
38) Carbon Tetrachloride	5.78	117	199454	47.200	ug/l	98

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

39) Methylcyclohexane	7.46	83	233973	56.999	ug/l	95
40) Benzene	6.14	78	605734	48.130	ug/l	100
41) Methacrylonitrile	5.06	41	150237	50.768	ug/l #	58
42) 1,2-Dichloroethane	6.20	62	214954	48.315	ug/l	97
43) Isopropyl Acetate	6.46	43	393779	51.128	ug/l	96
44) Trichloroethene	7.21	130	158143	51.115	ug/l	92
45) 1,2-Dichloropropane	7.52	63	162096	52.521	ug/l	99
46) Dibromomethane	7.66	93	103656	53.441	ug/l	97
47) Bromodichloromethane	7.90	83	197609	54.415	ug/l	97
48) Methyl methacrylate	7.77	41	205712	58.846	ug/l	94
49) 1,4-Dioxane	7.76	88	89104	1025.969	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	1401601	289.022	ug/l	95
52) Toluene	8.79	92	377622	54.606	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	222013	54.100	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	244364	56.851	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	154752	51.087	ug/l	98
56) Ethyl methacrylate	9.18	69	248815	50.583	ug/l	94
57) 1,3-Dichloropropane	9.37	76	264052	52.375	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	676516	258.670	ug/l	93
59) 2-Hexanone	9.50	43	1102375	272.788	ug/l	94
60) Dibromochloromethane	9.59	129	159701	52.717	ug/l	100
61) 1,2-Dibromoethane	9.67	107	161785	49.870	ug/l	100
64) Tetrachloroethene	9.34	164	151254	46.376	ug/l	97
65) Chlorobenzene	10.14	112	418155	49.210	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	150360	50.333	ug/l	99
67) Ethyl Benzene	10.26	91	722577	53.561	ug/l	98
68) m/p-Xylenes	10.36	106	557877	105.824	ug/l	95
69) o-Xylene	10.70	106	269095	55.574	ug/l	96
70) Styrene	10.71	104	460526	50.816	ug/l	98
71) Bromoform	10.86	173	130561	51.050	ug/l	99
73) Isopropylbenzene	11.02	105	726212	56.058	ug/l	99
74) N-amyl acetate	10.90	43	361985	50.808	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	257540	48.837	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	235696m	51.165	ug/l	
77) Bromobenzene	11.26	156	194076	51.578	ug/l	97
78) n-propylbenzene	11.36	91	838370	56.403	ug/l	99
79) 2-Chlorotoluene	11.42	91	498527	53.808	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	620730	52.288	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	73685	43.879	ug/l	100
82) 4-Chlorotoluene	11.51	91	591794	54.267	ug/l	99
83) tert-Butylbenzene	11.77	119	606133	56.829	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	638761	52.175	ug/l	98
85) sec-Butylbenzene	11.94	105	733420	56.454	ug/l	98
86) p-Isopropyltoluene	12.07	119	663075	56.334	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	356743	50.773	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	358768	49.464	ug/l	98
89) n-Butylbenzene	12.39	91	592203	55.399	ug/l	97
90) Hexachloroethane	12.60	117	105318	53.741	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	362969	49.433	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	61957	53.509	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	269817	52.384	ug/l	99
94) Hexachlorobutadiene	13.79	225	127382	47.692	ug/l	97
95) Naphthalene	13.83	128	872328	51.011	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	277450	52.144	ug/l	99

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

