

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072618\
 Data File : VX003685.D
 Acq On : 26 Jul 2018 21:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 5:40:35 PM

Quant Time: Jul 27 06:37:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	110899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	165966	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	157246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	98072	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	80907	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
35) Dibromofluoromethane	5.51	113	64849	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
50) Toluene-d8	8.72	98	252293	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.14	95	92625	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	54870	43.44	ug/l	99
3) Chloromethane	1.32	50	74921	45.03	ug/l	100
4) Vinyl Chloride	1.40	62	79240	46.57	ug/l	97
5) Bromomethane	1.64	94	42253	51.42	ug/l	94
6) Chloroethane	1.72	64	54400	47.29	ug/l	99
7) Trichlorofluoromethane	1.92	101	105986	48.39	ug/l	96
8) Diethyl Ether	2.19	74	45263	47.16	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	64901	48.14	ug/l	98
10) Methyl Iodide	2.51	142	88379	48.72	ug/l	99
11) Tert butyl alcohol	3.09	59	94653	241.05	ug/l	100
12) 1,1-Dichloroethene	2.37	96	60605	47.25	ug/l	94
13) Acrolein	2.29	56	41750	210.91	ug/l	98
14) Allyl chloride	2.73	41	124694	46.63	ug/l	98
15) Acrylonitrile	3.15	53	224661	236.79	ug/l	100
16) Acetone	2.45	43	185987	240.99	ug/l	90
17) Carbon Disulfide	2.57	76	170391	46.18	ug/l	100
18) Methyl Acetate	2.78	43	116160	49.83	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	219041	48.35	ug/l	99
20) Methylene Chloride	2.86	84	73228	47.89	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	65757	47.67	ug/l	99
22) Diisopropyl ether	3.88	45	238849	48.92	ug/l	92
23) Vinyl Acetate	3.83	43	1020622	244.04	ug/l	100
24) 1,1-Dichloroethane	3.70	63	131703	47.86	ug/l	99
25) 2-Butanone	4.71	43	286499	240.30	ug/l	100
26) 2,2-Dichloropropane	4.59	77	67924	39.04	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	70796	47.27	ug/l	97
28) Bromochloromethane	5.02	49	49406	44.74	ug/l	97
29) Tetrahydrofuran	5.17	42	189144	243.71	ug/l	99
30) Chloroform	5.22	83	120309	48.20	ug/l	99
31) Cyclohexane	5.57	56	107634	48.73	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	102541	49.47	ug/l	99
36) 1,1-Dichloropropene	5.80	75	89630	46.20	ug/l	100
37) Ethyl Acetate	4.87	43	106107	45.49	ug/l	100
38) Carbon Tetrachloride	5.78	117	90043	48.16	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	103848	48.63	ug/l	98
40) Benzene	6.15	78	278401	48.49	ug/l	100
41) Methacrylonitrile	5.07	41	59309	45.91	ug/l	99
42) 1,2-Dichloroethane	6.20	62	96616	47.82	ug/l	100
43) Isopropyl Acetate	6.48	43	162522	47.76	ug/l	99
44) Trichloroethene	7.22	130	72906	47.37	ug/l	89
45) 1,2-Dichloropropane	7.52	63	74231	50.02	ug/l	97
46) Dibromomethane	7.67	93	46576	48.86	ug/l	98
47) Bromodichloromethane	7.90	83	89311	49.97	ug/l	98
48) Methyl methacrylate	7.78	41	85932	49.76	ug/l	100
49) 1,4-Dioxane	7.76	88	38652	1003.26	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	565095	246.11	ug/l	100
52) Toluene	8.79	92	174308	48.85	ug/l	99
53) t-1,3-Dichloropropene	9.05	75	97061	49.05	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	106548	48.93	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	71811	49.23	ug/l	99
56) Ethyl methacrylate	9.18	69	110836	51.06	ug/l	100
57) 1,3-Dichloropropane	9.38	76	119902	48.95	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	282040	258.56	ug/l	100
59) 2-Hexanone	9.50	43	436335	247.73	ug/l	100
60) Dibromochloromethane	9.59	129	71496	51.68	ug/l	100
61) 1,2-Dibromoethane	9.68	107	74410	48.99	ug/l	99
64) Tetrachloroethene	9.34	164	68263	47.48	ug/l	98
65) Chlorobenzene	10.14	112	193944	49.01	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	69279	50.36	ug/l	99
67) Ethyl Benzene	10.26	91	334101	50.44	ug/l	100
68) m/p-Xylenes	10.36	106	260940	102.68	ug/l	100
69) o-Xylene	10.70	106	125663	51.37	ug/l	100
70) Styrene	10.71	104	213599	51.98	ug/l	100
71) Bromoform	10.86	173	56236	51.69	ug/l #	99
73) Isopropylbenzene	11.02	105	338383	50.50	ug/l	99
74) N-amyl acetate	6.48	43	162522	46.51	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	116217	46.97	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	98414m	47.84	ug/l	
77) Bromobenzene	11.26	156	88542	48.65	ug/l	100
78) n-propylbenzene	11.36	91	394891	51.04	ug/l	100
79) 2-Chlorotoluene	11.42	91	232229	49.38	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	290254	51.20	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	31839	47.96	ug/l	99
82) 4-Chlorotoluene	11.51	91	274925	49.63	ug/l	100
83) tert-Butylbenzene	11.77	119	280747	50.61	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	296032	50.81	ug/l	100
85) sec-Butylbenzene	11.95	105	337004	50.90	ug/l	100
86) p-Isopropyltoluene	12.07	119	302054	50.83	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	164717	48.60	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	167907	47.65	ug/l	100
89) n-Butylbenzene	12.39	91	263716	49.24	ug/l	100
90) Hexachloroethane	12.60	117	47572	52.86	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	167755	48.44	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	26051	50.58	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	119788	48.48	ug/l	99
94) Hexachlorobutadiene	13.79	225	53253	46.58	ug/l	99
95) Naphthalene	13.83	128	382665	51.20	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	125175	49.87	ug/l	100

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

