

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032819\
 Data File : VX008533.D
 Acq On : 28 Mar 2019 20:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/2/2019 11:19:44 AM

Quant Time: Apr 02 11:08:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	183701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	319081	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	284357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136808	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	135708	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
35) Dibromofluoromethane	5.50	113	101438	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	8.71	98	404163	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.13	95	149450	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	93956	43.391	ug/l	100
3) Chloromethane	1.32	50	121992	44.574	ug/l	100
4) Vinyl Chloride	1.40	62	130720	43.237	ug/l	99
5) Bromomethane	1.64	94	52101	33.455	ug/l	98
6) Chloroethane	1.71	64	79541	44.410	ug/l	99
7) Trichlorofluoromethane	1.92	101	151736	44.314	ug/l	99
8) Diethyl Ether	2.18	74	73052	45.080	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	95516	46.157	ug/l	99
10) Methyl Iodide	2.51	142	68308	35.252	ug/l	99
11) Tert butyl alcohol	3.05	59	153707	249.109	ug/l	99
12) 1,1-Dichloroethene	2.37	96	99145	46.391	ug/l	96
13) Acrolein	2.29	56	129058	288.024	ug/l	100
14) Allyl chloride	2.73	41	223683	47.508	ug/l	98
15) Acrylonitrile	3.14	53	388710	240.248	ug/l	99
16) Acetone	2.44	43	329827	226.597	ug/l	99
17) Carbon Disulfide	2.57	76	282072	45.971	ug/l	99
18) Methyl Acetate	2.77	43	172522	49.350	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	378013	49.084	ug/l	97
20) Methylene Chloride	2.85	84	119996	50.518	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	104933	49.271	ug/l	99
22) Diisopropyl ether	3.85	45	453544	48.921	ug/l	98
23) Vinyl Acetate	3.81	43	1992010	246.279	ug/l	100
24) 1,1-Dichloroethane	3.70	63	223763	47.808	ug/l	100
25) 2-Butanone	4.67	43	562996	241.263	ug/l	100
26) 2,2-Dichloropropane	4.59	77	134537	43.216	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	123811	47.376	ug/l	98
28) Bromochloromethane	5.01	49	112139	48.495	ug/l	99
29) Tetrahydrofuran	5.13	42	371700	241.682	ug/l	99
30) Chloroform	5.21	83	202761	48.002	ug/l	99
31) Cyclohexane	5.58	56	208396	46.684	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	163563	48.444	ug/l	100
36) 1,1-Dichloropropene	5.80	75	154910	45.533	ug/l	99
37) Ethyl Acetate	4.83	43	215186	48.824	ug/l	99
38) Carbon Tetrachloride	5.78	117	134735	47.456	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	184787	45.449	ug/l	99
40) Benzene	6.14	78	478393	46.970	ug/l	100
41) Methacrylonitrile	5.04	41	123514	49.868	ug/l	99
42) 1,2-Dichloroethane	6.19	62	170814	45.806	ug/l	100
43) Isopropyl Acetate	6.45	43	346933	49.213	ug/l	100
44) Trichloroethene	7.21	130	109691	45.868	ug/l	99
45) 1,2-Dichloropropane	7.51	63	137437	47.474	ug/l	99
46) Dibromomethane	7.66	93	78193	46.254	ug/l	99
47) Bromodichloromethane	7.90	83	156659	48.414	ug/l	97
48) Methyl methacrylate	7.77	41	175294	49.696	ug/l	98
49) 1,4-Dioxane	7.74	88	65462	933.363	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1143385	249.714	ug/l	100
52) Toluene	8.78	92	287862	47.269	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	172926	48.791	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	194582	48.281	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	118444	47.779	ug/l	98
56) Ethyl methacrylate	9.18	69	222987	49.831	ug/l	100
57) 1,3-Dichloropropane	9.37	76	210798	47.427	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	544723	235.493	ug/l	99
59) 2-Hexanone	9.49	43	893291	251.781	ug/l	99
60) Dibromochloromethane	9.58	129	114263	48.466	ug/l	98
61) 1,2-Dibromoethane	9.67	107	119981	47.425	ug/l	99
64) Tetrachloroethene	9.34	164	92511	48.055	ug/l	98
65) Chlorobenzene	10.13	112	294816	47.675	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	104831	49.135	ug/l	99
67) Ethyl Benzene	10.25	91	553430	47.420	ug/l	100
68) m/p-Xylenes	10.36	106	400968	94.439	ug/l	99
69) o-Xylene	10.69	106	197368	47.902	ug/l	100
70) Styrene	10.71	104	346450	48.678	ug/l	100
71) Bromoform	10.85	173	84270	50.015	ug/l #	100
73) Isopropylbenzene	11.02	105	518434	46.580	ug/l	100
74) N-amyl acetate	10.90	43	322375	50.041	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	203677	47.165	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	169986m	41.794	ug/l	
77) Bromobenzene	11.26	156	125152	46.331	ug/l	99
78) n-propylbenzene	11.36	91	606714	46.534	ug/l	100
79) 2-Chlorotoluene	11.42	91	366643	46.234	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	439703	46.729	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	62297	49.058	ug/l	99
82) 4-Chlorotoluene	11.51	91	421706	46.101	ug/l	99
83) tert-Butylbenzene	11.77	119	422330	46.521	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	443875	46.639	ug/l	100
85) sec-Butylbenzene	11.94	105	507497	46.942	ug/l	99
86) p-Isopropyltoluene	12.06	119	450483	47.223	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	221674	45.930	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	223101	45.803	ug/l	99
89) n-Butylbenzene	12.38	91	418623	46.324	ug/l	100
90) Hexachloroethane	12.60	117	75548	47.537	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	227599	47.091	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	43462	46.158	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	151689	46.616	ug/l	99
94) Hexachlorobutadiene	13.78	225	71734	46.427	ug/l	100
95) Naphthalene	13.83	128	533040	47.780	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	153372	46.906	ug/l	99

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

