

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052119\
 Data File : VX009791.D
 Acq On : 22 May 2019 09:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 11:39:46 AM

Quant Time: May 22 10:37:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	152841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	255312	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116183	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	109402	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
35) Dibromofluoromethane	5.50	113	79131	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	8.71	98	318756	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.13	95	116481	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	66279	47.058	ug/l	97
3) Chloromethane	1.32	50	101463	52.766	ug/l	100
4) Vinyl Chloride	1.41	62	98620	52.595	ug/l	100
5) Bromomethane	1.64	94	57025	50.669	ug/l	100
6) Chloroethane	1.71	64	63212	52.508	ug/l	99
7) Trichlorofluoromethane	1.92	101	120005	52.651	ug/l	99
8) Diethyl Ether	2.19	74	54249	50.247	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	69266	48.394	ug/l	99
10) Methyl Iodide	2.51	142	80362	48.477	ug/l	99
11) Tert butyl alcohol	3.05	59	126034	260.959	ug/l	99
12) 1,1-Dichloroethene	2.37	96	73401	51.183	ug/l	97
13) Acrolein	2.29	56	92013	210.369	ug/l	99
14) Allyl chloride	2.73	41	174175	49.837	ug/l	99
15) Acrylonitrile	3.14	53	306505	259.555	ug/l	100
16) Acetone	2.45	43	270011	241.006	ug/l	98
17) Carbon Disulfide	2.57	76	214978	53.393	ug/l	100
18) Methyl Acetate	2.78	43	131563	49.378	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	286511	51.448	ug/l	100
20) Methylene Chloride	2.85	84	90838	50.076	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	80252	51.600	ug/l	96
22) Diisopropyl ether	3.85	45	355796	52.937	ug/l	99
23) Vinyl Acetate	3.81	43	1561680	271.345	ug/l	99
24) 1,1-Dichloroethane	3.70	63	170281	51.358	ug/l	99
25) 2-Butanone	4.67	43	455518	261.644	ug/l	97
26) 2,2-Dichloropropane	4.59	77	74583	30.221	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	93654	50.449	ug/l	97
28) Bromochloromethane	5.02	49	90089	68.513	ug/l	97
29) Tetrahydrofuran	5.13	42	305055	272.293	ug/l	97
30) Chloroform	5.21	83	154639	51.568	ug/l	100
31) Cyclohexane	5.58	56	164566	53.349	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	128076	51.306	ug/l	99
36) 1,1-Dichloropropene	5.80	75	119742	50.468	ug/l	99
37) Ethyl Acetate	4.83	43	172734	52.252	ug/l	99
38) Carbon Tetrachloride	5.79	117	107187	49.723	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	140972	48.380	ug/l	98
40) Benzene	6.14	78	367566	50.057	ug/l	98
41) Methacrylonitrile	5.04	41	99015	50.317	ug/l	98
42) 1,2-Dichloroethane	6.19	62	134694	51.136	ug/l	99
43) Isopropyl Acetate	6.45	43	272007	51.440	ug/l	99
44) Trichloroethene	7.21	130	85192	47.991	ug/l	97
45) 1,2-Dichloropropane	7.51	63	103984	50.011	ug/l	98
46) Dibromomethane	7.66	93	59243	49.066	ug/l	99
47) Bromodichloromethane	7.90	83	121250	50.343	ug/l	98
48) Methyl methacrylate	7.77	41	137221	52.306	ug/l	98
49) 1,4-Dioxane	7.74	88	53325	1002.304	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	918997	265.896	ug/l	98
52) Toluene	8.78	92	223572	50.088	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	128460	47.242	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	142739	47.425	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	89217	48.993	ug/l	98
56) Ethyl methacrylate	9.18	69	165803	51.007	ug/l	96
57) 1,3-Dichloropropane	9.37	76	159802	49.868	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	418309	242.577	ug/l	99
59) 2-Hexanone	9.49	43	721568	265.822	ug/l	97
60) Dibromochloromethane	9.58	129	90051	50.632	ug/l	99
61) 1,2-Dibromoethane	9.67	107	92674	50.416	ug/l	99
64) Tetrachloroethene	9.34	164	82659	51.649	ug/l	98
65) Chlorobenzene	10.13	112	228000	48.851	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	83655	49.440	ug/l	99
67) Ethyl Benzene	10.25	91	429369	49.988	ug/l	99
68) m/p-Xylenes	10.36	106	316027	100.682	ug/l	98
69) o-Xylene	10.69	106	153911	49.697	ug/l	99
70) Styrene	10.71	104	269974	50.155	ug/l	98
71) Bromoform	10.85	173	69238	50.353	ug/l #	99
73) Isopropylbenzene	11.02	105	408534	48.355	ug/l	99
74) N-amyl acetate	10.90	43	251148	50.988	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	152139	48.305	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	131341m	48.735	ug/l	
77) Bromobenzene	11.26	156	102076	48.677	ug/l	100
78) n-propylbenzene	11.36	91	471181	48.833	ug/l	100
79) 2-Chlorotoluene	11.42	91	281561	47.299	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	347750	48.884	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	44479	42.228	ug/l	97
82) 4-Chlorotoluene	11.51	91	326086	48.489	ug/l	99
83) tert-Butylbenzene	11.77	119	327443	47.316	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	352057	49.304	ug/l	99
85) sec-Butylbenzene	11.94	105	392186	47.801	ug/l	100
86) p-Isopropyltoluene	12.06	119	353737	47.959	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	178478	47.743	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	181224	48.084	ug/l	100
89) n-Butylbenzene	12.38	91	317323	47.599	ug/l	99
90) Hexachloroethane	12.60	117	61740	49.133	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	182814	48.013	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34743	49.174	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	123388	47.388	ug/l	99
94) Hexachlorobutadiene	13.78	225	61557	46.296	ug/l	100
95) Naphthalene	13.83	128	411671	48.597	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	125973	47.729	ug/l	99

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

