

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082319\
 Data File : VX011785.D
 Acq On : 23 Aug 2019 09:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:40:50 AM

Quant Time: Aug 26 02:03:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	446646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	578795	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	528517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	297896	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	203193	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	
35) Dibromofluoromethane	5.49	113	185756	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
50) Toluene-d8	8.71	98	681317	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
62) 4-Bromofluorobenzene	11.13	95	251042	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	209072	50.155	ug/l	99
3) Chloromethane	1.32	50	180722	49.437	ug/l	97
4) Vinyl Chloride	1.40	62	184222	50.411	ug/l	99
5) Bromomethane	1.63	94	85880	42.659	ug/l	100
6) Chloroethane	1.71	64	106681	49.929	ug/l	97
7) Trichlorofluoromethane	1.92	101	293771	50.492	ug/l	99
8) Diethyl Ether	2.18	74	98541	49.809	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	176780	49.102	ug/l	96
10) Methyl Iodide	2.50	142	240090	54.597	ug/l	98
11) Tert butyl alcohol	3.04	59	191399	215.876	ug/l	100
12) 1,1-Dichloroethene	2.37	96	171161	48.756	ug/l	99
13) Acrolein	2.29	56	92708	270.501	ug/l	96
14) Allyl chloride	2.72	41	260580	47.491	ug/l	97
15) Acrylonitrile	3.14	53	478934	236.168	ug/l	99
16) Acetone	2.43	43	443764	227.362	ug/l	97
17) Carbon Disulfide	2.56	76	431213	48.582	ug/l	99
18) Methyl Acetate	2.76	43	249649	47.138	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	538370	47.808	ug/l	99
20) Methylene Chloride	2.85	84	182868	45.827	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	181740	47.996	ug/l	99
22) Diisopropyl ether	3.85	45	514460	48.351	ug/l	96
23) Vinyl Acetate	3.81	43	2096351	237.965	ug/l	100
24) 1,1-Dichloroethane	3.69	63	297492	47.355	ug/l	99
25) 2-Butanone	4.66	43	654411	233.590	ug/l	98
26) 2,2-Dichloropropane	4.57	77	252824	47.391	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	205716	47.374	ug/l	97
28) Bromochloromethane	5.01	49	135320	47.453	ug/l	93
29) Tetrahydrofuran	5.12	42	411915	229.370	ug/l	97
30) Chloroform	5.20	83	313126	45.942	ug/l	99
31) Cyclohexane	5.57	56	277498	50.297	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	287115	48.461	ug/l	98
36) 1,1-Dichloropropene	5.79	75	242410	53.408	ug/l	98
37) Ethyl Acetate	4.82	43	234782	48.881	ug/l	99
38) Carbon Tetrachloride	5.77	117	266944	51.896	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	302729	53.824	ug/l	98
40) Benzene	6.13	78	720397	51.309	ug/l	98
41) Methacrylonitrile	5.03	41	134162	48.028	ug/l	96
42) 1,2-Dichloroethane	6.18	62	244312	47.600	ug/l	98
43) Isopropyl Acetate	6.43	43	375263	48.271	ug/l	97
44) Trichloroethene	7.21	130	226668	52.371	ug/l	94
45) 1,2-Dichloropropane	7.51	63	176532	50.021	ug/l	100
46) Dibromomethane	7.65	93	124963	48.028	ug/l	93
47) Bromodichloromethane	7.89	83	236452	50.483	ug/l	99
48) Methyl methacrylate	7.76	41	187828	48.549	ug/l	96
49) 1,4-Dioxane	7.73	88	99542	928.609	ug/l	96
51) 4-Methyl-2-Pentanone	8.63	43	1278233	249.533	ug/l	99
52) Toluene	8.78	92	466681	51.363	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	264563	53.806	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	288294	53.746	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	193309	51.067	ug/l	99
56) Ethyl methacrylate	9.17	69	286179	53.158	ug/l	99
57) 1,3-Dichloropropane	9.37	76	306313	50.114	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	764303	269.888	ug/l	100
59) 2-Hexanone	9.49	43	986035	250.793	ug/l	98
60) Dibromochloromethane	9.58	129	217994	53.263	ug/l	99
61) 1,2-Dibromoethane	9.66	107	209317	51.534	ug/l	100
64) Tetrachloroethene	9.33	164	226458	53.709	ug/l	97
65) Chlorobenzene	10.13	112	531213	51.482	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	203757	52.705	ug/l	100
67) Ethyl Benzene	10.25	91	894486	51.874	ug/l	97
68) m/p-Xylenes	10.35	106	716844	107.816	ug/l	97
69) o-Xylene	10.69	106	345338	52.903	ug/l	95
70) Styrene	10.71	104	594868	54.474	ug/l	97
71) Bromoform	10.85	173	180862	54.230	ug/l	97
73) Isopropylbenzene	11.01	105	926753	51.623	ug/l	100
74) N-amyl acetate	10.90	43	336091	48.357	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	285291	48.011	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	247101m	47.273	ug/l	
77) Bromobenzene	11.25	156	272154	51.423	ug/l	96
78) n-propylbenzene	11.35	91	1011002	52.667	ug/l	99
79) 2-Chlorotoluene	11.41	91	596865	49.978	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	787784	52.594	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	88367	50.983	ug/l	95
82) 4-Chlorotoluene	11.51	91	696696	50.610	ug/l	97
83) tert-Butylbenzene	11.77	119	791621	53.567	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	800359	52.913	ug/l	99
85) sec-Butylbenzene	11.94	105	906976	53.652	ug/l	99
86) p-Isopropyltoluene	12.06	119	895210	55.040	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	483709	53.074	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	477627	51.799	ug/l	98
89) n-Butylbenzene	12.38	91	722814	53.684	ug/l	99
90) Hexachloroethane	12.59	117	136928	54.189	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	471685	51.313	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	67850	49.122	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	357149	52.820	ug/l	99
94) Hexachlorobutadiene	13.78	225	201952	54.506	ug/l	98
95) Naphthalene	13.83	128	1025869	55.087	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	372430	54.855	ug/l	99

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

