

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080519\
 Data File : VX011339.D
 Acq On : 05 Aug 2019 20:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 4:48:47 PM

Quant Time: Aug 06 04:17:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	158316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	233125	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	221965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120954	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	79489	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
35) Dibromofluoromethane	5.49	113	72989	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
50) Toluene-d8	8.71	98	273340	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
62) 4-Bromofluorobenzene	11.13	95	100913	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	55551	45.432	ug/l	100
3) Chloromethane	1.32	50	61596	44.859	ug/l	99
4) Vinyl Chloride	1.40	62	69025	45.700	ug/l	100
5) Bromomethane	1.63	94	44060	40.902	ug/l	100
6) Chloroethane	1.71	64	47456	50.792	ug/l	96
7) Trichlorofluoromethane	1.92	101	127192	47.361	ug/l	97
8) Diethyl Ether	2.18	74	43239	45.090	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	66761	45.944	ug/l	99
10) Methyl Iodide	2.50	142	84374	46.056	ug/l	99
11) Tert butyl alcohol	3.04	59	78571	247.140	ug/l	99
12) 1,1-Dichloroethene	2.37	96	65622	45.557	ug/l	95
13) Acrolein	2.29	56	44695	226.178	ug/l	98
14) Allyl chloride	2.72	41	95815	49.897	ug/l	98
15) Acrylonitrile	3.14	53	192322	253.500	ug/l	99
16) Acetone	2.44	43	159456	210.123	ug/l	99
17) Carbon Disulfide	2.56	76	156329	46.249	ug/l	99
18) Methyl Acetate	2.77	43	88287	50.909	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	210742	49.647	ug/l	99
20) Methylene Chloride	2.85	84	75849	45.638	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	70808	46.471	ug/l	94
22) Diisopropyl ether	3.85	45	208560	49.417	ug/l	99
23) Vinyl Acetate	3.81	43	915555	261.553	ug/l	99
24) 1,1-Dichloroethane	3.69	63	118791	47.734	ug/l	99
25) 2-Butanone	4.67	43	262118	242.816	ug/l	97
26) 2,2-Dichloropropane	4.58	77	85568	44.232	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	82389	46.944	ug/l	99
28) Bromochloromethane	5.01	49	55946	49.312	ug/l	98
29) Tetrahydrofuran	5.12	42	167822	253.550	ug/l	99
30) Chloroform	5.20	83	130840	48.373	ug/l	98
31) Cyclohexane	5.57	56	96068	46.790	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	114138	49.260	ug/l	99
36) 1,1-Dichloropropene	5.79	75	94039	46.202	ug/l	99
37) Ethyl Acetate	4.83	43	102494	50.201	ug/l	99
38) Carbon Tetrachloride	5.78	117	100565	49.110	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	107726	44.651	ug/l	96
40) Benzene	6.13	78	290220	47.782	ug/l	98
41) Methacrylonitrile	5.04	41	53415	47.906	ug/l	97
42) 1,2-Dichloroethane	6.18	62	101938	49.633	ug/l	98
43) Isopropyl Acetate	6.44	43	161617	49.513	ug/l	100
44) Trichloroethene	7.21	130	85254	46.373	ug/l	96
45) 1,2-Dichloropropane	7.51	63	74028	47.062	ug/l	99
46) Dibromomethane	7.66	93	53858	46.902	ug/l	96
47) Bromodichloromethane	7.90	83	100124	51.499	ug/l	98
48) Methyl methacrylate	7.77	41	80289	52.266	ug/l	98
49) 1,4-Dioxane	7.73	88	40297	904.854	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	549299	260.757	ug/l	99
52) Toluene	8.78	92	195386	48.654	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	104844	46.515	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	115407	50.816	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	81928	49.620	ug/l	98
56) Ethyl methacrylate	9.18	69	119959	50.983	ug/l	98
57) 1,3-Dichloropropane	9.37	76	126783	48.553	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	288436	249.314	ug/l	100
59) 2-Hexanone	9.49	43	426511	261.397	ug/l	98
60) Dibromochloromethane	9.58	129	86782	51.337	ug/l	99
61) 1,2-Dibromoethane	9.67	107	88243	49.467	ug/l	99
64) Tetrachloroethene	9.34	164	77398	41.060	ug/l	99
65) Chlorobenzene	10.13	112	220023	46.231	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	81890	50.260	ug/l	98
67) Ethyl Benzene	10.25	91	378529	47.491	ug/l	97
68) m/p-Xylenes	10.36	106	295242	95.765	ug/l	98
69) o-Xylene	10.69	106	144242	47.618	ug/l	99
70) Styrene	10.71	104	248487	49.577	ug/l	99
71) Bromoform	10.85	173	65983	45.559	ug/l	98
73) Isopropylbenzene	11.02	105	388414	46.953	ug/l	100
74) N-amyl acetate	10.90	43	152956	51.172	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	132780	48.165	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	110077m	49.973	ug/l	
77) Bromobenzene	11.25	156	104821	45.696	ug/l	98
78) n-propylbenzene	11.36	91	435286	47.317	ug/l	99
79) 2-Chlorotoluene	11.42	91	257295	46.925	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	327601	47.308	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	36060	44.283	ug/l	99
82) 4-Chlorotoluene	11.51	91	299421	46.856	ug/l	99
83) tert-Butylbenzene	11.77	119	325944	47.991	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	331219	48.040	ug/l	100
85) sec-Butylbenzene	11.94	105	384698	47.144	ug/l	100
86) p-Isopropyltoluene	12.06	119	355895	47.409	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	187147	46.174	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	189741	45.399	ug/l	98
89) n-Butylbenzene	12.38	91	303592	46.942	ug/l	99
90) Hexachloroethane	12.59	117	56477	50.887	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	187433	46.025	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	27948	52.327	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	126169	46.716	ug/l	100
94) Hexachlorobutadiene	13.78	225	63099	46.049	ug/l	99
95) Naphthalene	13.83	128	390104	49.392	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	128222	46.699	ug/l	99

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

