

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
 Data File : VX011783.D
 Acq On : 22 Aug 2019 23:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 8:42:04 AM

Quant Time: Aug 23 03:54:31 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	5.66	168	388515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	530852	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	489019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	270679	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	181602	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
35) Dibromofluoromethane	5.49	113	167700	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
50) Toluene-d8	8.71	98	607671	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	11.13	95	227026	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	177052	48.829	ug/l	100
3) Chloromethane	1.32	50	162088	50.973	ug/l	99
4) Vinyl Chloride	1.40	62	158444	49.844	ug/l	98
5) Bromomethane	1.63	94	76679	43.787	ug/l	99
6) Chloroethane	1.71	64	89703	48.265	ug/l	95
7) Trichlorofluoromethane	1.92	101	250048	49.408	ug/l	100
8) Diethyl Ether	2.18	74	85987	49.967	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	146162	46.672	ug/l	98
10) Methyl Iodide	2.50	142	214413	56.053	ug/l	98
11) Tert butyl alcohol	3.04	59	182401	236.508	ug/l	99
12) 1,1-Dichloroethene	2.36	96	145818	47.752	ug/l	94
13) Acrolein	2.29	56	67589	226.716	ug/l	98
14) Allyl chloride	2.72	41	232096	48.629	ug/l	98
15) Acrylonitrile	3.14	53	446353	253.034	ug/l	99
16) Acetone	2.43	43	381772	224.867	ug/l	100
17) Carbon Disulfide	2.56	76	367341	47.578	ug/l	100
18) Methyl Acetate	2.76	43	244575	53.089	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	481242	49.130	ug/l	98
20) Methylene Chloride	2.85	84	162677	46.867	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	157700	47.879	ug/l	97
22) Diisopropyl ether	3.85	45	471343	50.927	ug/l	98
23) Vinyl Acetate	3.81	43	1912527	249.582	ug/l	98
24) 1,1-Dichloroethane	3.69	63	267887	49.023	ug/l	98
25) 2-Butanone	4.67	43	607574	249.321	ug/l	100
26) 2,2-Dichloropropane	4.57	77	168940	36.405	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	182337	48.273	ug/l	96
28) Bromochloromethane	5.01	49	129150	52.065	ug/l	96
29) Tetrahydrofuran	5.12	42	405782	259.763	ug/l	100
30) Chloroform	5.20	83	285860	48.217	ug/l	100
31) Cyclohexane	5.57	56	238035	49.600	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	255164	49.513	ug/l	100
36) 1,1-Dichloropropene	5.79	75	207899	49.942	ug/l	97
37) Ethyl Acetate	4.82	43	230385	52.298	ug/l	99
38) Carbon Tetrachloride	5.78	117	228370	48.407	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	246090	47.705	ug/l	100
40) Benzene	6.13	78	628525	48.808	ug/l	98
41) Methacrylonitrile	5.04	41	125240	48.883	ug/l	97
42) 1,2-Dichloroethane	6.18	62	210971	44.817	ug/l	97
43) Isopropyl Acetate	6.44	43	345577	48.467	ug/l	98
44) Trichloroethene	7.21	130	188847	47.573	ug/l	98
45) 1,2-Dichloropropane	7.51	63	159994	49.430	ug/l	99
46) Dibromomethane	7.66	93	115204	48.276	ug/l	98
47) Bromodichloromethane	7.89	83	207920	48.401	ug/l	97
48) Methyl methacrylate	7.76	41	179659	50.631	ug/l	98
49) 1,4-Dioxane	7.73	88	92376	939.586	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1167545	248.509	ug/l	99
52) Toluene	8.78	92	413487	49.619	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	218224	48.390	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	245102	49.821	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	170258	49.039	ug/l	99
56) Ethyl methacrylate	9.18	69	256827	52.015	ug/l	96
57) 1,3-Dichloropropane	9.37	76	266328	47.507	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	693391	266.961	ug/l	99
59) 2-Hexanone	9.49	43	888342	246.351	ug/l	97
60) Dibromochloromethane	9.58	129	189419	50.461	ug/l	98
61) 1,2-Dibromoethane	9.67	107	189417	50.846	ug/l	100
64) Tetrachloroethene	9.34	164	195201	50.035	ug/l	98
65) Chlorobenzene	10.13	112	468046	49.024	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	181811	50.827	ug/l	99
67) Ethyl Benzene	10.25	91	785852	49.255	ug/l	98
68) m/p-Xylenes	10.35	106	619909	100.768	ug/l	98
69) o-Xylene	10.69	106	303392	50.231	ug/l	96
70) Styrene	10.71	104	520384	51.503	ug/l	97
71) Bromoform	10.85	173	157681	51.098	ug/l #	98
73) Isopropylbenzene	11.02	105	799792	49.031	ug/l	100
74) N-amyl acetate	10.90	43	312528	49.488	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	259606	48.082	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	222225m	46.788	ug/l	
77) Bromobenzene	11.25	156	235572	48.987	ug/l	97
78) n-propylbenzene	11.36	91	864915	49.588	ug/l	100
79) 2-Chlorotoluene	11.42	91	519598	47.883	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	679805	49.949	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	72837	46.249	ug/l	98
82) 4-Chlorotoluene	11.51	91	602418	48.162	ug/l	97
83) tert-Butylbenzene	11.77	119	683022	50.866	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	682998	49.694	ug/l	100
85) sec-Butylbenzene	11.94	105	779104	50.722	ug/l	98
86) p-Isopropyltoluene	12.06	119	740280	50.091	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	409022	49.392	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	407479	48.635	ug/l	98
89) n-Butylbenzene	12.38	91	588247	48.082	ug/l	99
90) Hexachloroethane	12.59	117	114474	49.858	ug/l	89
91) 1,2-Dichlorobenzene	12.39	146	410516	49.149	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	60680	48.349	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	310314	50.508	ug/l	99
94) Hexachlorobutadiene	13.78	225	164833	48.961	ug/l	100
95) Naphthalene	13.83	128	914313	54.033	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	315822	51.195	ug/l	97

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

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