

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112119\
 Data File : VX013492.D
 Acq On : 21 Nov 2019 10:33
 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
 11/22/2019 8:44:40 AM

Quant Time: Nov 21 15:29:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	629346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	960738	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	871866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	444475	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	334538	44.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.74%	
35) Dibromofluoromethane	5.48	113	277250	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	
50) Toluene-d8	8.71	98	1015734	44.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.42%	
62) 4-Bromofluorobenzene	11.13	95	377962	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	297409	41.014	ug/l	99
3) Chloromethane	1.31	50	331733	42.186	ug/l	99
4) Vinyl Chloride	1.40	62	393881	43.997	ug/l	99
5) Bromomethane	1.63	94	298280	47.811	ug/l	99
6) Chloroethane	1.71	64	224141	43.647	ug/l	99
7) Trichlorofluoromethane	1.92	101	449879	42.534	ug/l	98
8) Diethyl Ether	2.18	74	227238	48.584	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	284568	48.272	ug/l	99
10) Methyl Iodide	2.50	142	333195	45.652	ug/l	97
11) Tert butyl alcohol	3.03	59	442868	225.361	ug/l	99
12) 1,1-Dichloroethene	2.36	96	270593	46.873	ug/l	97
13) Acrolein	2.28	56	220965	207.468	ug/l	98
14) Allyl chloride	2.72	41	521227	49.692	ug/l	97
15) Acrylonitrile	3.13	53	963013	262.343	ug/l	99
16) Acetone	2.43	43	827154	222.419	ug/l	99
17) Carbon Disulfide	2.56	76	655004	42.391	ug/l	99
18) Methyl Acetate	2.76	43	556875	54.239	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	1066074	55.368	ug/l	97
20) Methylene Chloride	2.84	84	336220	48.932	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	296301	47.140	ug/l	98
22) Diisopropyl ether	3.84	45	1093588	54.003	ug/l	93
23) Vinyl Acetate	3.80	43	4614437	266.296	ug/l	99
24) 1,1-Dichloroethane	3.69	63	573746	50.647	ug/l	100
25) 2-Butanone	4.65	43	1366883	250.543	ug/l	99
26) 2,2-Dichloropropane	4.57	77	463665	51.450	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	366325	52.026	ug/l	99
28) Bromochloromethane	5.00	49	168465	52.376	ug/l	98
29) Tetrahydrofuran	5.11	42	871485	259.215	ug/l	100
30) Chloroform	5.20	83	580152	51.864	ug/l	97
31) Cyclohexane	5.56	56	466974	45.811	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	468850	48.704	ug/l	99
36) 1,1-Dichloropropene	5.78	75	404133	49.034	ug/l	99
37) Ethyl Acetate	4.81	43	519748	51.034	ug/l	100
38) Carbon Tetrachloride	5.77	117	402409	49.929	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	492071	47.915	ug/l	99
40) Benzene	6.13	78	1276291	49.712	ug/l	99
41) Methacrylonitrile	5.02	41	293360	51.392	ug/l	97
42) 1,2-Dichloroethane	6.18	62	478620	51.684	ug/l	99
43) Isopropyl Acetate	6.43	43	863980	54.480	ug/l	99
44) Trichloroethene	7.20	130	346435	49.022	ug/l	97
45) 1,2-Dichloropropane	7.50	63	348577	53.287	ug/l	99
46) Dibromomethane	7.65	93	231701	51.877	ug/l	97
47) Bromodichloromethane	7.89	83	463134	54.990	ug/l	97
48) Methyl methacrylate	7.76	41	430244	54.349	ug/l	98
49) 1,4-Dioxane	7.73	88	165371	912.178	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2717674	261.197	ug/l	99
52) Toluene	8.78	92	810449	50.933	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	523669	56.861	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	575858	55.898	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	363595	55.128	ug/l	98
56) Ethyl methacrylate	9.17	69	585864	51.968	ug/l	97
57) 1,3-Dichloropropane	9.36	76	594766	53.123	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	1177470	261.101	ug/l	99
59) 2-Hexanone	9.48	43	2071877	257.680	ug/l	98
60) Dibromochloromethane	9.57	129	382511	56.708	ug/l	100
61) 1,2-Dibromoethane	9.67	107	367291	52.444	ug/l	98
64) Tetrachloroethene	9.33	164	302243	48.425	ug/l	97
65) Chlorobenzene	10.14	112	903872	51.207	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	346604	53.479	ug/l	99
67) Ethyl Benzene	10.25	91	1542400	50.630	ug/l	98
68) m/p-Xylenes	10.35	106	1185932	102.934	ug/l	100
69) o-Xylene	10.70	106	588898	52.208	ug/l	99
70) Styrene	10.71	104	1031268	54.693	ug/l	98
71) Bromoform	10.85	173	306149	50.885	ug/l #	99
73) Isopropylbenzene	11.01	105	1540702	52.282	ug/l	99
74) N-amyl acetate	10.89	43	771110	56.427	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	574484	53.436	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	456058m	50.517	ug/l	
77) Bromobenzene	11.25	156	417521	53.146	ug/l	98
78) n-propylbenzene	11.35	91	1744525	53.143	ug/l	99
79) 2-Chlorotoluene	11.42	91	1041874	52.678	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1300854	52.996	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	197294	56.251	ug/l	95
82) 4-Chlorotoluene	11.51	91	1208517	52.199	ug/l	100
83) tert-Butylbenzene	11.76	119	1334553	54.010	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1324978	53.809	ug/l	98
85) sec-Butylbenzene	11.94	105	1496757	52.706	ug/l	98
86) p-Isopropyltoluene	12.06	119	1405292	53.740	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	734597	52.457	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	740409	51.894	ug/l	99
89) n-Butylbenzene	12.39	91	1216251	53.303	ug/l	99
90) Hexachloroethane	12.59	117	253535	54.416	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	751510	53.687	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	128210	48.949	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	535399	54.832	ug/l	98
94) Hexachlorobutadiene	13.78	225	245741	51.442	ug/l	100
95) Naphthalene	13.83	128	1669848	54.507	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	535811	54.717	ug/l	99

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

