

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006386.D
 Acq On : 10 Dec 2018 22:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:54:24 AM

Quant Time: Dec 11 05:37:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	580903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	902881	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	824432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	425290	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	306878	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
35) Dibromofluoromethane	5.50	113	290100	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	8.71	98	1049579	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.14	95	402780	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	284558	50.029	ug/l	100
3) Chloromethane	1.33	50	266357	45.570	ug/l	98
4) Vinyl Chloride	1.41	62	298199	47.403	ug/l	99
5) Bromomethane	1.64	94	249991	57.341	ug/l	98
6) Chloroethane	1.71	64	187047	48.494	ug/l	100
7) Trichlorofluoromethane	1.93	101	474409	49.129	ug/l	97
8) Diethyl Ether	2.19	74	179329	49.069	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	273082	49.734	ug/l	99
10) Methyl Iodide	2.51	142	418764	50.606	ug/l	98
11) Tert butyl alcohol	3.07	59	373182	230.111	ug/l	99
12) 1,1-Dichloroethene	2.37	96	252666	48.069	ug/l	95
13) Acrolein	2.29	56	201526	227.357	ug/l	99
14) Allyl chloride	2.73	41	455631	43.881	ug/l	99
15) Acrylonitrile	3.15	53	816911	241.390	ug/l	100
16) Acetone	2.45	43	665789	239.239	ug/l	99
17) Carbon Disulfide	2.57	76	664897	41.050	ug/l	99
18) Methyl Acetate	2.78	43	465848	50.055	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	922592	49.201	ug/l	98
20) Methylene Chloride	2.86	84	288525	48.714	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	270173	48.232	ug/l	93
22) Diisopropyl ether	3.87	45	831304	51.257	ug/l	98
23) Vinyl Acetate	3.82	43	3394550	245.395	ug/l	100
24) 1,1-Dichloroethane	3.70	63	470427	50.747	ug/l	99
25) 2-Butanone	4.70	43	999698	251.758	ug/l	97
26) 2,2-Dichloropropane	4.59	77	372833	43.580	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	326864	52.313	ug/l	97
28) Bromochloromethane	5.02	49	213080	52.624	ug/l	99
29) Tetrahydrofuran	5.15	42	670296	242.883	ug/l	97
30) Chloroform	5.21	83	510971	52.452	ug/l	99
31) Cyclohexane	5.57	56	404961	47.270	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	463442	50.000	ug/l	99
36) 1,1-Dichloropropene	5.80	75	354721	46.654	ug/l	99
37) Ethyl Acetate	4.85	43	389184	45.708	ug/l	99
38) Carbon Tetrachloride	5.79	117	419132	46.859	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	460368	46.647	ug/l	99
40) Benzene	6.14	78	1115736	48.996	ug/l	99
41) Methacrylonitrile	5.06	41	216577	46.226	ug/l	97
42) 1,2-Dichloroethane	6.20	62	376506	50.518	ug/l	99
43) Isopropyl Acetate	6.46	43	643015	45.295	ug/l	99
44) Trichloroethene	7.21	130	332523	48.201	ug/l	98
45) 1,2-Dichloropropane	7.52	63	282485	48.808	ug/l	95
46) Dibromomethane	7.66	93	204478	48.919	ug/l	97
47) Bromodichloromethane	7.90	83	385736	47.654	ug/l	98
48) Methyl methacrylate	7.77	41	320239	46.369	ug/l	96
49) 1,4-Dioxane	7.75	88	163345	959.633	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1967888	238.120	ug/l	99
52) Toluene	8.79	92	733407	48.953	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	426452	45.048	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	452269	46.009	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	313421	51.495	ug/l	98
56) Ethyl methacrylate	9.18	69	463587	48.721	ug/l	97
57) 1,3-Dichloropropane	9.37	76	483489	50.235	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1157894	239.808	ug/l	99
59) 2-Hexanone	9.49	43	1472079	233.148	ug/l	98
60) Dibromochloromethane	9.59	129	358472	47.763	ug/l	99
61) 1,2-Dibromoethane	9.67	107	337687	49.619	ug/l	99
64) Tetrachloroethene	9.34	164	296768	47.799	ug/l	98
65) Chlorobenzene	10.14	112	875444	50.023	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	329266	48.424	ug/l	99
67) Ethyl Benzene	10.25	91	1422039	48.855	ug/l	100
68) m/p-Xylenes	10.36	106	1138366	97.633	ug/l	100
69) o-Xylene	10.70	106	567179	49.247	ug/l	99
70) Styrene	10.71	104	918976	49.336	ug/l	99
71) Bromoform	10.86	173	278431	43.377	ug/l #	100
73) Isopropylbenzene	11.02	105	1491385	50.779	ug/l	100
74) N-amyl acetate	10.90	43	573385	45.336	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	469354	49.952	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	432066m	52.635	ug/l	
77) Bromobenzene	11.26	156	412734	50.638	ug/l	99
78) n-propylbenzene	11.36	91	1647948	50.477	ug/l	99
79) 2-Chlorotoluene	11.42	91	981172	50.564	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1227672	50.239	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	146199	41.795	ug/l	91
82) 4-Chlorotoluene	11.51	91	1129082	50.046	ug/l	100
83) tert-Butylbenzene	11.77	119	1303962	50.012	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1263931	50.090	ug/l	99
85) sec-Butylbenzene	11.94	105	1507333	50.818	ug/l	99
86) p-Isopropyltoluene	12.07	119	1353600	50.679	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	725800	50.045	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	721905	49.042	ug/l	99
89) n-Butylbenzene	12.39	91	1135832	49.840	ug/l	99
90) Hexachloroethane	12.60	117	250623	46.040	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	718169	49.895	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	108692	45.126	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	509234	48.493	ug/l	99
94) Hexachlorobutadiene	13.78	225	232886	50.147	ug/l	99
95) Naphthalene	13.83	128	1633462	50.006	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	516957	49.702	ug/l	98

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

