

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX013846.D
 Acq On : 09 Dec 2019 11:01
 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

apatel
 12/11/2019 8:54:29 AM

Quant Time: Dec 10 03:42:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	591557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	889832	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	810529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	415045	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	323224	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
35) Dibromofluoromethane	5.48	113	269382	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	8.71	98	986539	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	
62) 4-Bromofluorobenzene	11.13	95	368838	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	287825	43.713	ug/l	99
3) Chloromethane	1.32	50	322941	43.711	ug/l	99
4) Vinyl Chloride	1.40	62	375901	45.205	ug/l	98
5) Bromomethane	1.63	94	238925	42.784	ug/l	99
6) Chloroethane	1.71	64	211558	44.709	ug/l	99
7) Trichlorofluoromethane	1.92	101	408436	44.234	ug/l	98
8) Diethyl Ether	2.18	74	203608	48.741	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	259380	45.989	ug/l	99
10) Methyl Iodide	2.50	142	289622	42.451	ug/l	100
11) Tert butyl alcohol	3.03	59	375380	221.475	ug/l	99
12) 1,1-Dichloroethene	2.36	96	250675	44.528	ug/l	100
13) Acrolein	2.28	56	458719	400.975	ug/l	99
14) Allyl chloride	2.72	41	485925	47.563	ug/l	100
15) Acrylonitrile	3.12	53	868616	248.276	ug/l	100
16) Acetone	2.43	43	912098	269.044	ug/l	99
17) Carbon Disulfide	2.56	76	659597	41.100	ug/l	100
18) Methyl Acetate	2.76	43	497077	52.655	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	941221	50.468	ug/l	99
20) Methylene Chloride	2.84	84	305185	46.857	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	277358	45.225	ug/l	99
22) Diisopropyl ether	3.84	45	998870	50.776	ug/l	91
23) Vinyl Acetate	3.80	43	4162715	254.364	ug/l	100
24) 1,1-Dichloroethane	3.69	63	524966	48.816	ug/l	99
25) 2-Butanone	4.65	43	1299587	257.936	ug/l	99
26) 2,2-Dichloropropane	4.57	77	409349	46.007	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	330334	46.902	ug/l	100
28) Bromochloromethane	5.00	49	223779	52.657	ug/l	99
29) Tetrahydrofuran	5.11	42	786975	253.371	ug/l	99
30) Chloroform	5.20	83	512431	46.985	ug/l	96
31) Cyclohexane	5.57	56	446130	43.983	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	422172	46.321	ug/l	99
36) 1,1-Dichloropropene	5.79	75	371918	46.044	ug/l	99
37) Ethyl Acetate	4.81	43	473864	52.293	ug/l	100
38) Carbon Tetrachloride	5.77	117	356521	47.867	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	450423	45.112	ug/l	97
40) Benzene	6.13	78	1172824	47.673	ug/l	99
41) Methacrylonitrile	5.03	41	266231	53.572	ug/l	99
42) 1,2-Dichloroethane	6.18	62	421287	50.213	ug/l	99
43) Isopropyl Acetate	6.43	43	767888	51.473	ug/l	100
44) Trichloroethene	7.20	130	312901	46.344	ug/l	94
45) 1,2-Dichloropropane	7.50	63	313062	50.862	ug/l	99
46) Dibromomethane	7.65	93	206266	49.341	ug/l	98
47) Bromodichloromethane	7.89	83	412732	52.225	ug/l	99
48) Methyl methacrylate	7.76	41	383422	52.897	ug/l	99
49) 1,4-Dioxane	7.73	88	147679	910.201	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2441931	260.223	ug/l	99
52) Toluene	8.78	92	735787	48.143	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	459055	51.032	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	510607	51.956	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	321563	52.211	ug/l	99
56) Ethyl methacrylate	9.17	69	521484	52.665	ug/l	99
57) 1,3-Dichloropropane	9.37	76	535976	50.488	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	949042	244.455	ug/l	99
59) 2-Hexanone	9.48	43	1890340	258.285	ug/l	99
60) Dibromochloromethane	9.57	129	337291	52.771	ug/l	98
61) 1,2-Dibromoethane	9.67	107	328955	50.009	ug/l	99
64) Tetrachloroethene	9.33	164	279204	46.192	ug/l	98
65) Chlorobenzene	10.14	112	800209	47.551	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	304528	50.395	ug/l	99
67) Ethyl Benzene	10.25	91	1401289	48.458	ug/l	98
68) m/p-Xylenes	10.35	106	1074242	97.030	ug/l	100
69) o-Xylene	10.70	106	527978	48.897	ug/l	99
70) Styrene	10.71	104	911500	50.183	ug/l	99
71) Bromoform	10.85	173	261633	52.327	ug/l #	99
73) Isopropylbenzene	11.01	105	1363665	46.839	ug/l	100
74) N-amyl acetate	10.89	43	681247	51.081	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	505758	50.092	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	478273m	51.234	ug/l	
77) Bromobenzene	11.25	156	364501	46.344	ug/l	96
78) n-propylbenzene	11.35	91	1566211	48.191	ug/l	100
79) 2-Chlorotoluene	11.42	91	932830	47.848	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1158261	48.541	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	173915	50.969	ug/l	98
82) 4-Chlorotoluene	11.51	91	1076376	47.669	ug/l	99
83) tert-Butylbenzene	11.76	119	1164343	48.014	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1170378	48.329	ug/l	99
85) sec-Butylbenzene	11.94	105	1326154	47.877	ug/l	100
86) p-Isopropyltoluene	12.06	119	1241563	48.182	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	650431	47.441	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	648730	46.454	ug/l	99
89) n-Butylbenzene	12.39	91	1081100	49.190	ug/l	100
90) Hexachloroethane	12.59	117	224823	48.269	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	662459	48.903	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	108388	49.297	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	454736	48.167	ug/l	98
94) Hexachlorobutadiene	13.78	225	204256	45.038	ug/l	99
95) Naphthalene	13.83	128	1438622	51.169	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	452519	48.410	ug/l	98

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

