

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111519\
 Data File : VX013447.D
 Acq On : 15 Nov 2019 16:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/18/2019 10:24:26 AM

Quant Time: Nov 16 01:01:15 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	622518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	921111	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	835367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	429032	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	359981	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	5.48	113	303032	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	8.71	98	1145266	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
62) 4-Bromofluorobenzene	11.13	95	416122	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	371330	51.770	ug/l	97
3) Chloromethane	1.31	50	397684	51.127	ug/l	97
4) Vinyl Chloride	1.40	62	474507	53.585	ug/l	99
5) Bromomethane	1.62	94	275842	44.700	ug/l	100
6) Chloroethane	1.71	64	264625	52.332	ug/l	99
7) Trichlorofluoromethane	1.92	101	531496	50.802	ug/l	97
8) Diethyl Ether	2.17	74	244637	52.878	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	332794	57.072	ug/l	99
10) Methyl Iodide	2.50	142	356503	49.381	ug/l	97
11) Tert butyl alcohol	3.03	59	459634	236.458	ug/l	98
12) 1,1-Dichloroethene	2.36	96	319374	55.930	ug/l	99
13) Acrolein	2.28	56	314950	298.955	ug/l	97
14) Allyl chloride	2.72	41	601982	58.021	ug/l	96
15) Acrylonitrile	3.12	53	1053808	290.226	ug/l	98
16) Acetone	2.43	43	1030999	280.273	ug/l	100
17) Carbon Disulfide	2.56	76	802786	52.525	ug/l	99
18) Methyl Acetate	2.76	43	599049	58.987	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1127600	59.206	ug/l	99
20) Methylene Chloride	2.84	84	365384	53.760	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	343605	55.265	ug/l	97
22) Diisopropyl ether	3.84	45	1185787	59.198	ug/l	98
23) Vinyl Acetate	3.80	43	5003318	291.905	ug/l	100
24) 1,1-Dichloroethane	3.68	63	641932	57.288	ug/l	99
25) 2-Butanone	4.65	43	1564437	289.899	ug/l	98
26) 2,2-Dichloropropane	4.57	77	537316	60.277	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	408175	58.605	ug/l	99
28) Bromochloromethane	5.00	49	171817	54.004	ug/l	100
29) Tetrahydrofuran	5.11	42	952796	286.509	ug/l	100
30) Chloroform	5.19	83	633984	57.298	ug/l	100
31) Cyclohexane	5.56	56	561671	55.706	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	535101	56.196	ug/l	99
36) 1,1-Dichloropropene	5.78	75	473255	59.891	ug/l	99
37) Ethyl Acetate	4.81	43	569534	58.329	ug/l	100
38) Carbon Tetrachloride	5.77	117	458118	59.287	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	586363	59.553	ug/l	98
40) Benzene	6.13	78	1441679	58.570	ug/l	100
41) Methacrylonitrile	5.02	41	318845	58.259	ug/l	98
42) 1,2-Dichloroethane	6.18	62	505485	56.933	ug/l	99
43) Isopropyl Acetate	6.43	43	924526	60.806	ug/l	99
44) Trichloroethene	7.20	130	391525	57.785	ug/l	98
45) 1,2-Dichloropropane	7.50	63	379694	60.541	ug/l	98
46) Dibromomethane	7.65	93	248025	57.921	ug/l	99
47) Bromodichloromethane	7.89	83	500046	61.927	ug/l	97
48) Methyl methacrylate	7.76	41	463508	61.070	ug/l	97
49) 1,4-Dioxane	7.73	88	184380	1060.784	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	2942806	295.002	ug/l	99
52) Toluene	8.78	92	906257	59.404	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	559937	63.415	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	616678	62.435	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	384444	60.797	ug/l	97
56) Ethyl methacrylate	9.17	69	623707	57.532	ug/l	97
57) 1,3-Dichloropropane	9.36	76	645602	60.144	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	1453878	336.263	ug/l	100
59) 2-Hexanone	9.48	43	2293798	297.553	ug/l	99
60) Dibromochloromethane	9.57	129	404650	62.570	ug/l	99
61) 1,2-Dibromoethane	9.67	107	398165	59.298	ug/l	100
64) Tetrachloroethene	9.33	164	340189	56.886	ug/l	98
65) Chlorobenzene	10.14	112	986072	58.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	376645	60.653	ug/l	99
67) Ethyl Benzene	10.25	91	1753664	60.080	ug/l	98
68) m/p-Xylenes	10.36	106	1331933	120.657	ug/l	100
69) o-Xylene	10.70	106	647728	59.933	ug/l	99
70) Styrene	10.71	104	1122486	62.132	ug/l	98
71) Bromoform	10.85	173	323919	55.857	ug/l	97
73) Isopropylbenzene	11.01	105	1739607	61.156	ug/l	100
74) N-amyl acetate	10.89	43	820066	62.169	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	614891	59.253	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	497811m	57.126	ug/l	
77) Bromobenzene	11.25	156	449136	59.228	ug/l	98
78) n-propylbenzene	11.35	91	1982273	62.559	ug/l	99
79) 2-Chlorotoluene	11.42	91	1155006	60.500	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1460552	61.643	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	213876	63.174	ug/l	96
82) 4-Chlorotoluene	11.51	91	1345770	60.219	ug/l	99
83) tert-Butylbenzene	11.76	119	1487629	62.372	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1467361	61.737	ug/l	99
85) sec-Butylbenzene	11.94	105	1716677	62.625	ug/l	100
86) p-Isopropyltoluene	12.06	119	1592578	63.094	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	806458	59.662	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	805025	58.454	ug/l	99
89) n-Butylbenzene	12.39	91	1400569	63.590	ug/l	99
90) Hexachloroethane	12.59	117	288858	64.229	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	805398	59.607	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	135952	53.773	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	575370	61.047	ug/l	99
94) Hexachlorobutadiene	13.78	225	271579	58.897	ug/l	100
95) Naphthalene	13.83	128	1756242	59.391	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	566218	59.904	ug/l	99

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

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