

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091619\
 Data File : VX012407.D
 Acq On : 16 Sep 2019 14:21
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 5:04:21 PM

Quant Time: Sep 17 04:35:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:04:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	118542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	187215	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	184356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	115211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	356989	246.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	492.82%	
35) Dibromofluoromethane	5.49	113	266551	199.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	399.94%	
50) Toluene-d8	8.71	98	985561	211.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	422.64%	
62) 4-Bromofluorobenzene	11.14	95	423816	226.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	452.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	172811	157.129	ug/l	99
3) Chloromethane	1.31	50	149876	154.005	ug/l	100
4) Vinyl Chloride	1.40	62	160511	162.819	ug/l	99
5) Bromomethane	1.62	94	59134	115.148	ug/l	98
6) Chloroethane	1.69	64	72440	124.668	ug/l	100
7) Trichlorofluoromethane	1.91	101	284867	176.067	ug/l	99
8) Diethyl Ether	2.18	74	119330	207.237	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	203126	197.765	ug/l	100
10) Methyl Iodide	2.49	142	210045	177.473	ug/l	99
11) Tert butyl alcohol	3.06	59	441847	1421.514	ug/l	99
12) 1,1-Dichloroethene	2.35	96	165289	170.559	ug/l	94
13) Acrolein	2.28	56	191172	1511.724	ug/l	100
14) Allyl chloride	2.71	41	376809	231.999	ug/l	100
15) Acrylonitrile	3.14	53	788779	1270.121	ug/l	99
16) Acetone	2.44	43	753056	1241.660	ug/l	99
17) Carbon Disulfide	2.55	76	238711	107.835	ug/l	98
18) Methyl Acetate	2.76	43	367812	233.686	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	855629	247.049	ug/l	99
20) Methylene Chloride	2.84	84	217980	193.033	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	173369	168.038	ug/l	93
22) Diisopropyl ether	3.85	45	839565	253.577	ug/l	91
23) Vinyl Acetate	3.81	43	3624964	1315.443	ug/l	99
24) 1,1-Dichloroethane	3.68	63	421197	226.711	ug/l	99
25) 2-Butanone	4.67	43	1183047	1334.346	ug/l	100
26) 2,2-Dichloropropane	4.57	77	388550	237.976	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	250408	200.765	ug/l	100
28) Bromochloromethane	5.01	49	199156	231.667	ug/l	100
29) Tetrahydrofuran	5.12	42	704894	1278.480	ug/l	99
30) Chloroform	5.20	83	460954	225.498	ug/l	99
31) Cyclohexane	5.56	56	259975	172.021	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	406680	230.667	ug/l	100
36) 1,1-Dichloropropene	5.79	75	265309	174.518	ug/l	99
37) Ethyl Acetate	4.83	43	420282	239.893	ug/l	99
38) Carbon Tetrachloride	5.77	117	340846	192.608	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	272772	151.143	ug/l	98
40) Benzene	6.14	78	843887	177.264	ug/l	98
41) Methacrylonitrile	5.04	41	248652	240.024	ug/l	99
42) 1,2-Dichloroethane	6.18	62	372286	205.438	ug/l	99
43) Isopropyl Acetate	6.43	43	724068	251.128	ug/l	100
44) Trichloroethene	7.21	130	228184	160.092	ug/l	97
45) 1,2-Dichloropropane	7.51	63	251233	204.212	ug/l	97
46) Dibromomethane	7.65	93	169367	189.856	ug/l	99
47) Bromodichloromethane	7.89	83	390885	231.673	ug/l	99
48) Methyl methacrylate	7.76	41	352051	249.512	ug/l	99
49) 1,4-Dioxane	7.74	88	164437	4293.753	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2365381	1243.925	ug/l	99
52) Toluene	8.78	92	553504	180.139	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	422823	239.798	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	425176	224.047	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	277882	209.249	ug/l	96
56) Ethyl methacrylate	9.17	69	466268	243.532	ug/l	100
57) 1,3-Dichloropropane	9.37	76	446735	205.882	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1198053	1179.949	ug/l	100
59) 2-Hexanone	9.49	43	1823003	1253.677	ug/l	100
60) Dibromochloromethane	9.58	129	327313	227.136	ug/l	100
61) 1,2-Dibromoethane	9.67	107	272856	196.879	ug/l	99
64) Tetrachloroethene	9.33	164	179902	126.138	ug/l	95
65) Chlorobenzene	10.14	112	667667	176.984	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	293586	203.225	ug/l	99
67) Ethyl Benzene	10.25	91	1163903	185.229	ug/l	98
68) m/p-Xylenes	10.35	106	859665	359.241	ug/l	98
69) o-Xylene	10.70	106	444360	186.727	ug/l	100
70) Styrene	10.71	104	818138	202.979	ug/l	99
71) Bromoform	10.85	173	249525	204.640	ug/l	100
73) Isopropylbenzene	11.01	105	1240938	171.908	ug/l	100
74) N-amyl acetate	10.89	43	673097	224.111	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	484236	194.099	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	444270m	199.213	ug/l	
77) Bromobenzene	11.25	156	315967	151.865	ug/l	99
78) n-propylbenzene	11.35	91	1424634	183.392	ug/l	99
79) 2-Chlorotoluene	11.42	91	890024	182.664	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1079720	178.268	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	175353	234.987	ug/l	94
82) 4-Chlorotoluene	11.51	91	1047469	185.665	ug/l	99
83) tert-Butylbenzene	11.77	119	1136553	187.971	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1106171	180.419	ug/l	99
85) sec-Butylbenzene	11.94	105	1285917	185.782	ug/l	100
86) p-Isopropyltoluene	12.06	119	1195915	181.796	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	600455	166.533	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	606880	165.495	ug/l	100
89) n-Butylbenzene	12.39	91	1086684	196.668	ug/l	100
90) Hexachloroethane	12.59	117	242179	226.661	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	594570	161.999	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	132466	221.744	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	429133	162.334	ug/l	99
94) Hexachlorobutadiene	13.78	225	195494	136.274	ug/l	98
95) Naphthalene	13.83	128	1486322	193.261	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	425518	159.530	ug/l	98

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

