

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101619\
 Data File : VX013090.D
 Acq On : 16 Oct 2019 12:07
 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
 10/18/2019 4:51:51 PM

Quant Time: Oct 17 02:34:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 17 02:18:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	28183	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	169804	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	156251	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	66773	33.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	113.27%
60) 4-Bromofluorobenzene	11.14	95	82417	31.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.87%
63) Toluene-d8	8.71	98	207575	29.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	290662	157.650	ug/l 100
3) Chloromethane	1.31	50	293110	177.544	ug/l 99
4) Vinyl Chloride	1.40	62	290979	170.868	ug/l 96
5) Bromomethane	1.62	94	125633	135.841	ug/l 98
6) Chloroethane	1.70	64	161508	155.858	ug/l 98
7) Trichlorofluoromethane	1.91	101	412010	147.998	ug/l 99
8) Diethyl Ether	2.18	74	152906	162.617	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	256187	162.737	ug/l 99
10) 1,1-Dichloroethene	2.36	96	258228	163.654	ug/l 98
11) Methyl Iodide	2.50	142	360092	172.391	ug/l 99
12) Methyl Acetate	2.76	43	366145	166.012	ug/l 96
13) Acrolein	2.28	56	277586	1012.292	ug/l 99
14) Acrylonitrile	3.14	53	766749	874.110	ug/l 100
15) Acetone	2.44	58	251342	935.251	ug/l 95
16) Carbon Disulfide	2.56	76	722226	175.639	ug/l 99
17) Allyl chloride	2.72	41	444539	186.834	ug/l 95
18) Methylene Chloride	2.84	84	289816	163.534	ug/l 96
19) trans-1,2-Dichloroethene	3.15	96	278659	166.336	ug/l 94
20) Diisopropyl ether	3.85	45	826080	167.049	ug/l 90
21) 1,1-Dichloroethane	3.69	63	486081	171.296	ug/l 100
22) cis-1,2-Dichloroethene	4.58	96	314508	163.283	ug/l 99
23) tert-Butyl Alcohol	3.05	59	380871	833.450	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	885838	171.363	ug/l 100
25) Chloroform	5.20	83	492686	160.061	ug/l 98
26) Cyclohexane	5.57	56	437713	169.511	ug/l # 97
29) 1,1-Dichloropropene	5.79	75	381188	157.832	ug/l 100
30) 2-Butanone	4.67	43	1114506	829.213	ug/l 100
31) 2,2-Dichloropropane	4.57	77	429583	189.063	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	449116	153.992	ug/l 98
33) Carbon Tetrachloride	5.78	117	393228	154.711	ug/l 99
34) Benzene	6.13	78	1117529	153.597	ug/l 99
35) Methacrylonitrile	5.03	41	226486	164.284	ug/l 99
36) 1,2-Dichloroethane	6.19	62	400161	152.752	ug/l 100
37) Trichloroethene	7.20	130	301555	144.305	ug/l 98
38) Methylcyclohexane	7.46	83	472596	156.208	ug/l 98
39) 1,2-Dichloropropane	7.51	63	280147	153.437	ug/l 98
40) Dibromomethane	7.65	93	195177	148.658	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	397292	161.726	ug/l	99
42) Vinyl Acetate	3.81	43	3710471	840.650	ug/l	99
43) Ethyl Acetate	4.83	43	405251	161.115	ug/l	97
44) Isopropyl Acetate	6.44	43	674178	163.024	ug/l	99
45) 1,4-Dioxane	7.73	88	169058	3243.458	ug/l	97
46) Methyl methacrylate	7.76	41	333639	167.212	ug/l	92
47) n-amyl Acetate	10.89	43	599083	165.160	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	460600	176.827	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	491707	172.590	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	292931	151.405	ug/l	99
51) Ethyl methacrylate	9.17	69	496824	165.230	ug/l	98
52) 1,3-Dichloropropane	9.37	76	491600	156.191	ug/l	100
53) Dibromochloromethane	9.58	129	324337	155.562	ug/l	99
54) 1,2-Dibromoethane	9.67	107	309373	146.887	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	1053390	818.214	ug/l	99
56) Bromoform	10.86	173	239036	155.368	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	2086749	778.442	ug/l	99
59) 2-Hexanone	9.49	43	1620458	785.429	ug/l	100
61) Tetrachloroethene	9.33	164	263994	128.081	ug/l	97
62) Toluene	8.78	91	1212422	145.477	ug/l	100
64) Chlorobenzene	10.14	112	779904	146.210	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	294264	150.846	ug/l	98
66) Ethyl Benzene	10.25	91	1418415	151.238	ug/l	100
67) m/p-Xylenes	10.36	106	1067138	298.752	ug/l	98
68) o-Xylene	10.70	106	522591	149.103	ug/l	99
69) Styrene	10.71	104	928286	156.969	ug/l	99
70) Isopropylbenzene	11.01	105	1391282	149.005	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	447879	148.216	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	346097m	138.053	ug/l	
73) Bromobenzene	11.25	156	328395	133.837	ug/l	98
74) n-propylbenzene	11.35	91	1618169	153.868	ug/l	99
75) 2-Chlorotoluene	11.42	91	959865	153.119	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	1216389	154.185	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	165540	191.826	ug/l	91
78) 4-Chlorotoluene	11.51	91	1143165	158.253	ug/l	100
79) tert-butylbenzene	11.77	119	1163378	152.459	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	1212451	152.418	ug/l	97
81) sec-Butylbenzene	11.94	105	1392569	154.836	ug/l	100
82) p-Isopropyltoluene	12.06	119	1255571	151.420	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	618882	141.455	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	621056	143.537	ug/l	99
85) n-Butylbenzene	12.39	91	1128734	159.407	ug/l	99
86) Hexachloroethane	12.59	117	233064	172.320	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	588269	138.680	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	112020	167.749	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	383678	132.591	ug/l	97
90) Hexachlorobutadiene	13.78	225	183459	132.667	ug/l	96
91) Naphthalene	13.83	128	1363997	152.393	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	380870	131.897	ug/l	99

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

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