

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101619\
 Data File : VX013088.D
 Acq On : 16 Oct 2019 11:20
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 4:51:47 PM

Quant Time: Oct 17 02:32:04 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	30339	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	171849	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	151950	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	67653	31.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.60%
60) 4-Bromofluorobenzene	11.14	95	79042	31.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.43%
63) Toluene-d8	8.71	98	208023	30.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	101458	51.119	ug/l 100
3) Chloromethane	1.32	50	98524	55.437	ug/l 98
4) Vinyl Chloride	1.40	62	97821	53.360	ug/l 97
5) Bromomethane	1.63	94	42243	42.430	ug/l 100
6) Chloroethane	1.71	64	59711	53.527	ug/l 99
7) Trichlorofluoromethane	1.92	101	144748	48.300	ug/l 99
8) Diethyl Ether	2.18	74	52792	52.155	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	90980	53.686	ug/l 98
10) 1,1-Dichloroethene	2.36	96	89482	52.680	ug/l 97
11) Methyl Iodide	2.50	142	115712	51.460	ug/l 99
12) Methyl Acetate	2.76	43	127044	53.509	ug/l 99
13) Acrolein	2.28	56	95688	324.154	ug/l 99
14) Acrylonitrile	3.13	53	268066	283.884	ug/l 100
15) Acetone	2.43	58	99438	343.717	ug/l 96
16) Carbon Disulfide	2.56	76	243476	55.004	ug/l 98
17) Allyl chloride	2.72	41	155449	60.690	ug/l 94
18) Methylene Chloride	2.84	84	100784	52.828	ug/l 97
19) trans-1,2-Dichloroethene	3.15	96	95824	53.134	ug/l 94
20) Diisopropyl ether	3.84	45	295799	55.565	ug/l 97
21) 1,1-Dichloroethane	3.69	63	170552	55.832	ug/l 98
22) cis-1,2-Dichloroethene	4.58	96	110108	53.102	ug/l 99
23) tert-Butyl Alcohol	3.03	59	129586	263.418	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	310074	55.720	ug/l 99
25) Chloroform	5.20	83	175095	52.842	ug/l 95
26) Cyclohexane	5.57	56	151201	54.394	ug/l # 97
29) 1,1-Dichloropropene	5.79	75	131962	53.989	ug/l 99
30) 2-Butanone	4.65	43	402694	296.046	ug/l 99
31) 2,2-Dichloropropane	4.58	77	148082	64.397	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	155142	52.562	ug/l 98
33) Carbon Tetrachloride	5.78	117	134116	52.139	ug/l 98
34) Benzene	6.14	78	391846	53.216	ug/l 99
35) Methacrylonitrile	5.03	41	76996	55.185	ug/l 96
36) 1,2-Dichloroethane	6.18	62	139790	52.726	ug/l 100
37) Trichloroethene	7.21	130	105140	49.715	ug/l 97
38) Methylcyclohexane	7.46	83	162812	53.174	ug/l 98
39) 1,2-Dichloropropane	7.51	63	98424	53.265	ug/l 97
40) Dibromomethane	7.65	93	67457	50.768	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	133694	53.775	ug/l	98
42) Vinyl Acetate	3.80	43	1300506	291.138	ug/l	100
43) Ethyl Acetate	4.82	43	141791	55.701	ug/l	98
44) Isopropyl Acetate	6.43	43	228108	54.503	ug/l	99
45) 1,4-Dioxane	7.73	88	56541	1071.857	ug/l	98
46) Methyl methacrylate	7.76	41	111160	55.048	ug/l	92
47) n-amyl Acetate	10.89	43	196483	53.523	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	149331	56.647	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	165199	57.295	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	100313	51.231	ug/l	99
51) Ethyl methacrylate	9.17	69	159982	52.572	ug/l	97
52) 1,3-Dichloropropane	9.37	76	169340	53.162	ug/l	99
53) Dibromochloromethane	9.58	129	105446	49.973	ug/l	99
54) 1,2-Dibromoethane	9.67	107	104959	49.241	ug/l	96
55) 2-Chloroethyl vinyl ether	8.31	63	363415	278.921	ug/l	99
56) Bromoform	10.85	173	73372	47.122	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	708337	271.718	ug/l	100
59) 2-Hexanone	9.49	43	564058	281.135	ug/l	99
61) Tetrachloroethene	9.33	164	100747	50.263	ug/l	94
62) Toluene	8.78	91	418815	51.676	ug/l	99
64) Chlorobenzene	10.14	112	267293	51.528	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	98719	52.038	ug/l	99
66) Ethyl Benzene	10.25	91	482828	52.939	ug/l	99
67) m/p-Xylenes	10.35	106	364057	104.805	ug/l	99
68) o-Xylene	10.70	106	175073	51.365	ug/l	99
69) Styrene	10.71	104	303258	52.731	ug/l	99
70) Isopropylbenzene	11.01	105	472570	52.044	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	153863	52.359	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	124723m	51.158	ug/l	
73) Bromobenzene	11.25	156	108408	45.432	ug/l	99
74) n-propylbenzene	11.35	91	518333	50.682	ug/l	100
75) 2-Chlorotoluene	11.42	91	323608	53.084	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	401779	52.370	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	50392	60.047	ug/l	94
78) 4-Chlorotoluene	11.51	91	372073	52.965	ug/l	99
79) tert-butylbenzene	11.76	119	370042	49.866	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	400091	51.719	ug/l	98
81) sec-Butylbenzene	11.94	105	443688	50.729	ug/l	100
82) p-Isopropyltoluene	12.06	119	424109	52.595	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	200666	47.164	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	202090	48.029	ug/l	99
85) n-Butylbenzene	12.39	91	357679	51.944	ug/l	99
86) Hexachloroethane	12.59	117	71399	54.284	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	200417	48.584	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	36433	56.102	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	126064	44.798	ug/l	96
90) Hexachlorobutadiene	13.78	225	56258	41.834	ug/l	94
91) Naphthalene	13.83	128	436737	50.176	ug/l	98
92) 1,2,3-Trichlorobenzene	14.01	180	129290	46.041	ug/l	99

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

