

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090420\
 Data File : VX018253.D
 Acq On : 04 Sep 2020 11:48
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 5:16:56 PM

Quant Time: Sep 04 12:13:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 11:54:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	83888	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.84	114	425840	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	414176	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	192055	28.92	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.40%
60) 4-Bromofluorobenzene	11.12	95	217863	31.20	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.00%
63) Toluene-d8	8.70	98	536427	29.80	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	669225	139.695	ug/l 96
3) Chloromethane	1.31	50	745547	153.480	ug/l 97
4) Vinyl Chloride	1.39	62	770713	157.705	ug/l 98
5) Bromomethane	1.62	94	476758	151.773	ug/l 99
6) Chloroethane	1.70	64	458840	161.452	ug/l 98
7) Trichlorofluoromethane	1.91	101	1277922	163.485	ug/l 99
8) Diethyl Ether	2.17	74	409615	172.494	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	639150	170.214	ug/l 99
10) 1,1-Dichloroethene	2.36	96	645016	180.651	ug/l 98
11) Methyl Iodide	2.49	142	913675	228.071	ug/l 99
12) Methyl Acetate	2.75	43	866721	168.026	ug/l 99
13) Acrolein	2.28	56	355535	531.494	ug/l 97
14) Acrylonitrile	3.12	53	1997249	917.321	ug/l 99
15) Acetone	2.42	58	513603	855.832	ug/l 86
16) Carbon Disulfide	2.55	76	1865219	194.864	ug/l 100
17) Allyl chloride	2.70	41	1195916	181.605	ug/l 98
18) Methylene Chloride	2.84	84	730158	175.551	ug/l 96
19) trans-1,2-Dichloroethene	3.14	96	717679	189.908	ug/l 99
20) Diisopropyl ether	3.82	45	2306546	175.046	ug/l 90
21) 1,1-Dichloroethane	3.67	63	1301411	180.685	ug/l 100
22) cis-1,2-Dichloroethene	4.56	96	803002	179.502	ug/l 96
23) tert-Butyl Alcohol	3.03	59	866444	874.760	ug/l # 99
24) Methyl tert-Butyl Ether	3.17	73	2360389	175.744	ug/l 99
25) Chloroform	5.18	83	1385722	175.389	ug/l 97
26) Cyclohexane	5.55	56	1115416	181.903	ug/l # 49
29) 1,1-Dichloropropene	5.77	75	1027228	193.805	ug/l 99
30) 2-Butanone	4.64	43	2822629	955.343	ug/l 99
31) 2,2-Dichloropropane	4.55	77	1214054	183.346	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	1313662	184.931	ug/l 99
33) Carbon Tetrachloride	5.76	117	1235744	187.996	ug/l 94
34) Benzene	6.12	78	2863369	189.252	ug/l # 97
35) Methacrylonitrile	5.01	41	598231	187.259	ug/l 94
36) 1,2-Dichloroethane	6.17	62	1191412	187.866	ug/l # 100
37) Trichloroethene	7.19	130	833994	188.924	ug/l 99
38) Methylcyclohexane	7.45	83	1155993	187.702	ug/l 96
39) 1,2-Dichloropropane	7.49	63	770016	188.149	ug/l 96
40) Dibromomethane	7.64	93	546931	187.165	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.88	83	1153750	182.449	ug/l	93
42) Vinyl Acetate	3.79	43	10559422	1033.696	ug/l	100
43) Ethyl Acetate	4.80	43	1118159	197.615	ug/l	99
44) Isopropyl Acetate	6.42	43	1843867	191.283	ug/l	98
45) 1,4-Dioxane	7.72	88	314774	3513.463	ug/l #	90
46) Methyl methacrylate	7.75	41	937876	199.440	ug/l	99
47) n-amyl Acetate	10.88	43	1707790	213.581	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	1319891	194.730	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	1342657	183.655	ug/l	96
50) 1,1,2-Trichloroethane	9.20	97	782953	191.159	ug/l	99
51) Ethyl methacrylate	9.16	69	1248627	207.758	ug/l	99
52) 1,3-Dichloropropane	9.35	76	1304069	192.646	ug/l	98
53) Dibromochloromethane	9.57	129	1002570	191.510	ug/l	100
54) 1,2-Dibromoethane	9.66	107	872770	193.165	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	3195539	982.378	ug/l	100
56) Bromoform	10.84	173	745496	191.979	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	5724489	942.493	ug/l	99
59) 2-Hexanone	9.48	43	4372771	993.871	ug/l	99
61) Tetrachloroethene	9.32	164	757141	163.397	ug/l	91
62) Toluene	8.77	91	3222389	187.681	ug/l	99
64) Chlorobenzene	10.12	112	2122913	185.135	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	860760	183.622	ug/l	97
66) Ethyl Benzene	10.24	91	3700971	193.839	ug/l	100
67) m/p-Xylenes	10.34	106	2866546	398.942	ug/l	98
68) o-Xylene	10.68	106	1389704	198.375	ug/l	99
69) Styrene	10.70	104	2427089	197.715	ug/l	99
70) Isopropylbenzene	11.01	105	3803247	187.890	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	1168940	197.342	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	1076988m	184.018	ug/l	
73) Bromobenzene	11.24	156	999818	185.599	ug/l	99
74) n-propylbenzene	11.35	91	4450433	191.106	ug/l	98
75) 2-Chlorotoluene	11.41	91	2674897	189.528	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	3295122	192.683	ug/l	98
77) t-1,4-Dichloro-2-butene	11.06	75	465012	202.940	ug/l	90
78) 4-Chlorotoluene	11.49	91	3185578	193.584	ug/l	100
79) tert-butylbenzene	11.76	119	3236480	193.013	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	3308624	186.264	ug/l	99
81) sec-Butylbenzene	11.93	105	3746095	188.198	ug/l	99
82) p-Isopropyltoluene	12.05	119	3523746	193.909	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	1771140	179.391	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	1789673	182.620	ug/l	98
85) n-Butylbenzene	12.37	91	3133272	182.131	ug/l	99
86) Hexachloroethane	12.58	117	690102	179.616	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	1724784	177.342	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	12.98	75	319803	196.085	ug/l	95
89) 1,2,4-Trichlorobenzene	13.63	180	1232587	183.380	ug/l	97
90) Hexachlorobutadiene	13.77	225	500405	162.609	ug/l	93
91) Naphthalene	13.82	128	3946959	197.295	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	1199840	184.965	ug/l	99

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

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