

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092520\
 Data File : VX018588.D
 Acq On : 25 Sep 2020 09:24
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 12:49:48 PM

Quant Time: Sep 25 13:54:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	67316	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.82	114	344773	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	326385	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	163612	30.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.70%
60) 4-Bromofluorobenzene	11.12	95	170291	30.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.33%
63) Toluene-d8	8.70	98	447558	31.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	70098	19.679	ug/l 94
3) Chloromethane	1.31	50	74165	19.601	ug/l 99
4) Vinyl Chloride	1.39	62	78591	19.726	ug/l 99
5) Bromomethane	1.64	94	55380	20.430	ug/l 99
6) Chloroethane	1.72	64	46733	19.299	ug/l 90
7) Trichlorofluoromethane	1.92	101	139155	20.610	ug/l 97
8) Diethyl Ether	2.17	74	41906	19.687	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	71449	20.712	ug/l 99
10) 1,1-Dichloroethene	2.36	96	65267	19.274	ug/l 90
11) Methyl Iodide	2.50	142	68019	20.819	ug/l 96
12) Methyl Acetate	2.75	43	80928	18.155	ug/l 100
13) Acrolein	2.28	56	15676	43.576	ug/l 98
14) Acrylonitrile	3.12	53	177498	87.880	ug/l 99
15) Acetone	2.43	58	70762	128.858	ug/l 85
16) Carbon Disulfide	2.55	76	190728	19.344	ug/l 95
17) Allyl chloride	2.71	41	115618	19.102	ug/l 98
18) Methylene Chloride	2.83	84	78712	19.805	ug/l 93
19) trans-1,2-Dichloroethene	3.14	96	73053	19.431	ug/l 94
20) Diisopropyl ether	3.82	45	234140	19.541	ug/l 96
21) 1,1-Dichloroethane	3.67	63	134980	19.626	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	80084	19.252	ug/l 98
23) tert-Butyl Alcohol	3.04	59	65915	75.309	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	224121	18.617	ug/l 99
25) Chloroform	5.17	83	143239	19.515	ug/l 100
26) Cyclohexane	5.54	56	107556	19.375	ug/l # 52
29) 1,1-Dichloropropene	5.76	75	98968	18.805	ug/l 98
30) 2-Butanone	4.64	43	280943	97.494	ug/l 100
31) 2,2-Dichloropropane	4.54	77	129444m	20.362	ug/l
32) 1,1,1-Trichloroethane	5.46	97	138115	20.050	ug/l 99
33) Carbon Tetrachloride	5.76	117	127215	19.818	ug/l 98
34) Benzene	6.10	78	290776	19.356	ug/l 98
35) Methacrylonitrile	5.00	41	51307	16.895	ug/l 95
36) 1,2-Dichloroethane	6.15	62	120762	19.423	ug/l # 100
37) Trichloroethene	7.19	130	85163	19.604	ug/l 94
38) Methylcyclohexane	7.44	83	103629	18.486	ug/l 99
39) 1,2-Dichloropropane	7.49	63	78076	19.404	ug/l 97
40) Dibromomethane	7.63	93	57262	19.707	ug/l 97

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Quant Time: Sep 25 13:54:22 2020
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	118762	19.721	ug/l	95
42) Vinyl Acetate	3.78	43	993628	92.421	ug/l	100
43) Ethyl Acetate	4.79	43	96347	16.814	ug/l	99
44) Isopropyl Acetate	6.41	43	160122	17.340	ug/l	98
45) 1,4-Dioxane	7.76	88	21597m	279.949	ug/l	
46) Methyl methacrylate	7.74	41	76408	16.812	ug/l	96
47) n-amyl Acetate	10.88	43	126491	15.589	ug/l	96
48) t-1,3-Dichloropropene	9.02	75	125513	19.403	ug/l	99
49) cis-1,3-Dichloropropene	8.41	75	133445	19.637	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	80660	19.922	ug/l	97
51) Ethyl methacrylate	9.16	69	102931	17.550	ug/l	98
52) 1,3-Dichloropropane	9.35	76	126389	18.807	ug/l	96
53) Dibromochloromethane	9.56	129	97141	19.296	ug/l	98
54) 1,2-Dibromoethane	9.65	107	83015	18.690	ug/l	97
55) 2-Chloroethyl vinyl ether	8.29	63	227481	74.273	ug/l	99
56) Bromoform	10.84	173	65938	17.239	ug/l	100
58) 4-Methyl-2-Pentanone	8.62	43	493395	87.890	ug/l	100
59) 2-Hexanone	9.47	43	392190	92.235	ug/l	98
61) Tetrachloroethene	9.32	164	88762	21.806	ug/l	87
62) Toluene	8.76	91	321863	19.595	ug/l	99
64) Chlorobenzene	10.12	112	202698	19.203	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.20	131	85383	19.973	ug/l	97
66) Ethyl Benzene	10.23	91	347804	19.163	ug/l	94
67) m/p-Xylenes	10.34	106	266156	38.346	ug/l	98
68) o-Xylene	10.68	106	123257	18.794	ug/l	100
69) Styrene	10.70	104	215147	18.803	ug/l	100
70) Isopropylbenzene	11.00	105	348442	19.105	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	112002	18.792	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	104269m	18.209	ug/l	
73) Bromobenzene	11.24	156	93208	18.655	ug/l	99
74) n-propylbenzene	11.34	91	402534	18.744	ug/l	98
75) 2-Chlorotoluene	11.40	91	245797	18.884	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	299072	18.823	ug/l	96
77) t-1,4-Dichloro-2-butene	11.05	75	35586	15.991	ug/l	97
78) 4-Chlorotoluene	11.49	91	291700	18.786	ug/l	98
79) tert-butylbenzene	11.76	119	282640	18.466	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	304762	19.394	ug/l	99
81) sec-Butylbenzene	11.93	105	330301	18.475	ug/l	98
82) p-Isopropyltoluene	12.05	119	307972	18.476	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	166500	18.637	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	171967	19.251	ug/l	99
85) n-Butylbenzene	12.37	91	269050	18.333	ug/l	99
86) Hexachloroethane	12.58	117	60683	18.490	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	166080	19.853	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	24313	15.946	ug/l	97
89) 1,2,4-Trichlorobenzene	13.63	180	103472	18.282	ug/l	98
90) Hexachlorobutadiene	13.77	225	47361	19.783	ug/l	87
91) Naphthalene	13.82	128	293334	16.607	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	100613	17.969	ug/l	99

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

