

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092520\
 Data File : VX018594.D
 Acq On : 25 Sep 2020 14:50
 Operator : JC/SP
 Sample : VX0925WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 12:50:03 PM

Quant Time: Sep 28 02:12:57 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	86397	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	455632	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	436655	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	208443	30.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.93%
60) 4-Bromofluorobenzene	11.12	95	222635	29.42	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.07%
63) Toluene-d8	8.70	98	560955	29.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	82819	18.116	ug/l 96
3) Chloromethane	1.31	50	78587	16.183	ug/l 100
4) Vinyl Chloride	1.39	62	95259	18.629	ug/l 99
5) Bromomethane	1.64	94	42764	12.292	ug/l 97
6) Chloroethane	1.71	64	67155	21.608	ug/l 95
7) Trichlorofluoromethane	1.92	101	163298	18.844	ug/l 98
8) Diethyl Ether	2.17	74	51741	18.939	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	81337	18.371	ug/l 97
10) 1,1-Dichloroethene	2.36	96	83246	19.154	ug/l 96
11) Methyl Iodide	2.50	142	77975	19.402	ug/l 97
12) Methyl Acetate	2.75	43	111298	19.454	ug/l 94
13) Acrolein	2.28	56	20747	44.935	ug/l 97
14) Acrylonitrile	3.12	53	236871	91.376	ug/l 99
15) Acetone	2.43	58	73880	104.823	ug/l 82
16) Carbon Disulfide	2.56	76	241503	19.084	ug/l 97
17) Allyl chloride	2.71	41	146283	18.831	ug/l 98
18) Methylene Chloride	2.84	84	92924	18.217	ug/l 93
19) trans-1,2-Dichloroethene	3.15	96	90198	18.692	ug/l 97
20) Diisopropyl ether	3.82	45	284997	18.532	ug/l 92
21) 1,1-Dichloroethane	3.68	63	164302	18.613	ug/l 99
22) cis-1,2-Dichloroethene	4.57	96	100686	18.859	ug/l 94
23) tert-Butyl Alcohol	3.03	59	86003	76.559	ug/l 100
24) Methyl tert-Butyl Ether	3.17	73	287582	18.612	ug/l 99
25) Chloroform	5.17	83	177182	18.808	ug/l 99
26) Cyclohexane	5.56	56	133406	18.724	ug/l # 51
29) 1,1-Dichloropropene	5.77	75	124970	17.968	ug/l 99
30) 2-Butanone	4.64	43	339281	89.092	ug/l 98
31) 2,2-Dichloropropane	4.55	77	163646	19.479	ug/l 97
32) 1,1,1-Trichloroethane	5.46	97	164385	18.057	ug/l 99
33) Carbon Tetrachloride	5.76	117	150578	17.751	ug/l 95
34) Benzene	6.11	78	355317	17.897	ug/l 97
35) Methacrylonitrile	5.01	41	70514	17.570	ug/l 95
36) 1,2-Dichloroethane	6.16	62	148724	18.101	ug/l # 100
37) Trichloroethene	7.19	130	102028	17.772	ug/l 98
38) Methylcyclohexane	7.44	83	137255	18.527	ug/l 96
39) 1,2-Dichloropropane	7.49	63	92646	17.423	ug/l 97
40) Dibromomethane	7.64	93	69379	18.068	ug/l 95

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	143456	18.026	ug/l	94
42) Vinyl Acetate	3.79	43	1286127	90.521	ug/l	100
43) Ethyl Acetate	4.79	43	129377	17.085	ug/l #	87
44) Isopropyl Acetate	6.42	43	214900	17.610	ug/l	98
45) 1,4-Dioxane	7.74	88	21569	211.561	ug/l #	91
46) Methyl methacrylate	7.74	41	104318	17.369	ug/l	94
47) n-amyl Acetate	10.88	43	182611	17.029	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	157508	18.424	ug/l	99
49) cis-1,3-Dichloropropene	8.41	75	163226	18.175	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	97221	18.170	ug/l	98
51) Ethyl methacrylate	9.16	69	138858	17.915	ug/l	97
52) 1,3-Dichloropropane	9.35	76	159721	17.984	ug/l	100
53) Dibromochloromethane	9.57	129	116663	17.536	ug/l	100
54) 1,2-Dibromoethane	9.65	107	103271	17.594	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	354575	87.601	ug/l	99
56) Bromoform	10.84	173	87482	17.306	ug/l	95
58) 4-Methyl-2-Pentanone	8.62	43	652803	86.920	ug/l	99
59) 2-Hexanone	9.47	43	494464	86.921	ug/l	99
61) Tetrachloroethene	9.32	164	90793	16.672	ug/l	93
62) Toluene	8.77	91	390917	17.789	ug/l	100
64) Chlorobenzene	10.12	112	252287	17.865	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	105435	18.435	ug/l	95
66) Ethyl Benzene	10.24	91	439828	18.114	ug/l	98
67) m/p-Xylenes	10.34	106	331403	35.689	ug/l	99
68) o-Xylene	10.68	106	156224	17.805	ug/l	99
69) Styrene	10.69	104	261622	17.090	ug/l	97
70) Isopropylbenzene	11.00	105	438716	17.980	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.25	83	140738	17.650	ug/l	96
72) 1,2,3-Trichloropropane	11.28	75	126957m	16.572	ug/l	
73) Bromobenzene	11.24	156	114077	17.066	ug/l	98
74) n-propylbenzene	11.34	91	498883	17.364	ug/l	100
75) 2-Chlorotoluene	11.40	91	301637	17.322	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	370764	17.442	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	43094	14.475	ug/l	92
78) 4-Chlorotoluene	11.49	91	359642	17.313	ug/l	98
79) tert-butylbenzene	11.76	119	363146	17.734	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	364217	17.324	ug/l	100
81) sec-Butylbenzene	11.93	105	413568	17.291	ug/l	100
82) p-Isopropyltoluene	12.05	119	385411	17.282	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	206092	17.243	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	209386	17.521	ug/l	98
85) n-Butylbenzene	12.37	91	341890	17.413	ug/l	99
86) Hexachloroethane	12.58	117	69236	15.769	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	201539	18.007	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	37113	18.194	ug/l	91
89) 1,2,4-Trichlorobenzene	13.63	180	134366	17.745	ug/l	98
90) Hexachlorobutadiene	13.77	225	62776	19.600	ug/l	91
91) Naphthalene	13.82	128	408532	17.288	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	135294	18.061	ug/l	98

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

