

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044673.D
 Acq On : 16 Jan 2025 16:04
 Operator :
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jan 17 01:32:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.885	128	31760	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	167169	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	151265	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	87326	28.481	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.933%
60) 4-Bromofluorobenzene	11.079	95	90245	30.716	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.400%
63) Toluene-d8	8.641	98	246039	29.905	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	54938	19.455	ug/l	99
3) Chloromethane	1.295	50	58491	19.691	ug/l	97
4) Vinyl Chloride	1.374	62	52662	18.120	ug/l	97
5) Bromomethane	1.593	94	11699	16.655	ug/l	94
6) Chloroethane	1.660	64	8398m	18.224	ug/l	
7) Trichlorofluoromethane	1.868	101	61263	19.248	ug/l	100
8) Diethyl Ether	2.130	74	18053	14.703	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.319	101	45075	19.767	ug/l	98
10) 1,1-Dichloroethene	2.307	96	43032	18.344	ug/l	91
11) Methyl Iodide	2.441	142	52153	16.043	ug/l	96
12) Methyl Acetate	2.697	43	66160	19.318	ug/l	96
13) Acrolein	2.233	56	26525	70.033	ug/l	100
14) Acrylonitrile	3.056	53	123322	98.817	ug/l	99
15) Acetone	2.380	58	32395	96.738	ug/l	100
16) Carbon Disulfide	2.502	76	123419	18.931	ug/l	100
17) Allyl chloride	2.654	41	81756	19.325	ug/l	99
18) Methylene Chloride	2.782	84	50990	19.422	ug/l	97
19) trans-1,2-Dichloroethene	3.081	96	44821	19.215	ug/l	93
20) Diisopropyl ether	3.751	45	151426	19.720	ug/l	97
21) 1,1-Dichloroethane	3.599	63	85409	18.750	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	54606	18.914	ug/l	98
23) tert-Butyl Alcohol	2.971	59	63153m	104.625	ug/l	
24) Methyl tert-Butyl Ether	3.105	73	157454	19.371	ug/l	99
25) Chloroform	5.074	83	86312	19.070	ug/l	95
26) Cyclohexane	5.452	56	75485	19.717	ug/l #	97
29) 1,1-Dichloropropene	5.678	75	56865	19.557	ug/l	97
30) 2-Butanone	4.550	43	166438	104.202	ug/l	99
31) 2,2-Dichloropropane	4.459	77	79790	19.830	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	75830	19.679	ug/l	99
33) Carbon Tetrachloride	5.666	117	63715	19.601	ug/l	98
34) Benzene	6.025	78	185995	20.049	ug/l	97
35) Methacrylonitrile	4.904	41	36238	20.300	ug/l	91
36) 1,2-Dichloroethane	6.080	62	65030	19.606	ug/l	99
37) Trichloroethene	7.117	130	43568	19.452	ug/l	91
38) Methylcyclohexane	7.367	83	82064	20.772	ug/l	97
39) 1,2-Dichloropropane	7.421	63	45783	19.791	ug/l	98
40) Dibromomethane	7.574	93	33957	19.744	ug/l	99
41) Bromodichloromethane	7.812	83	68866	19.393	ug/l	99
42) Vinyl Acetate	3.709	43	667881	105.289	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044673.D
 Acq On : 16 Jan 2025 16:04
 Operator :
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:32:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.709	43	67755	21.625	ug/l #	94
44) Isopropyl Acetate	6.330	43	114877	20.408	ug/l	100
45) 1,4-Dioxane	7.665	88	20037	373.825	ug/l	99
46) Methyl methacrylate	7.690	41	55463	20.130	ug/l	97
47) n-amyl Acetate	10.842	43	101504	21.487	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	74474	19.869	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	79790	19.852	ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	45852	20.701	ug/l	97
51) Ethyl methacrylate	9.110	69	80926	21.032	ug/l	98
52) 1,3-Dichloropropane	9.305	76	78523	20.497	ug/l	97
53) Dibromochloromethane	9.513	129	52358	19.782	ug/l	96
54) 1,2-Dibromoethane	9.604	107	47675	20.361	ug/l	99
55) 2-Chloroethyl vinyl ether	8.232	63	195017	104.455	ug/l	99
56) Bromoform	10.799	173	35719	20.352	ug/l	98
58) 4-Methyl-2-Pentanone	8.568	43	333561	104.616	ug/l	100
59) 2-Hexanone	9.427	43	245886	105.337	ug/l	99
61) Tetrachloroethene	9.269	164	35722	19.687	ug/l	97
62) Toluene	8.714	91	196058	19.684	ug/l	99
64) Chlorobenzene	10.073	112	121910	19.708	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	43600	19.621	ug/l	98
66) Ethyl Benzene	10.189	91	215205	19.798	ug/l	99
67) m/p-Xylenes	10.299	106	162129	40.577	ug/l	99
68) o-Xylene	10.634	106	80862	20.164	ug/l	100
69) Styrene	10.653	104	133131	20.220	ug/l	99
70) Isopropylbenzene	10.957	105	203065	20.143	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.207	83	70632	20.841	ug/l	97
72) 1,2,3-Trichloropropane	11.238	75	60603m	21.255	ug/l	
73) Bromobenzene	11.195	156	46455	19.780	ug/l	99
74) n-propylbenzene	11.299	91	233390	20.382	ug/l	100
75) 2-Chlorotoluene	11.360	91	147629	20.507	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	169063	20.650	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	26136	19.376	ug/l	97
78) 4-Chlorotoluene	11.451	91	160564	20.241	ug/l	99
79) tert-butylbenzene	11.713	119	173889	20.675	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	170127	20.596	ug/l	99
81) sec-Butylbenzene	11.884	105	207829	20.694	ug/l	99
82) p-Isopropyltoluene	12.006	119	170965	20.684	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	84078	20.156	ug/l	99
84) 1,4-Dichlorobenzene	12.037	146	84625	20.694	ug/l	98
85) n-Butylbenzene	12.329	91	149438	20.857	ug/l	99
86) Hexachloroethane	12.536	117	35748	19.660	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	85460	20.516	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	15332	18.783	ug/l	96
89) 1,2,4-Trichlorobenzene	13.585	180	50951	19.682	ug/l	99
90) Hexachlorobutadiene	13.725	225	19476	19.451	ug/l	98
91) Naphthalene	13.774	128	198384	20.484	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	52269	19.852	ug/l	99

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

