

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
 Data File : VX041577.D
 Acq On : 21 May 2024 09:43
 Operator : JC/MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/22/2024
 Supervised By :Semsettin Yesilyurt 05/22/2024

Quant Time: May 22 02:50:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	29393	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	163051	30.000	ug/l	-0.01
57) Chlorobenzene-d5	10.049	117	153329	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	70976	30.663	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.200%			
60) 4-Bromofluorobenzene	11.079	95	73660	30.774	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.567%			
63) Toluene-d8	8.647	98	194646	29.615	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	31335	20.382	ug/l	98
3) Chloromethane	1.295	50	31986	19.000	ug/l	99
4) Vinyl Chloride	1.374	62	33905	19.129	ug/l	99
5) Bromomethane	1.599	94	19676	17.453	ug/l	96
6) Chloroethane	1.666	64	20304	22.657	ug/l	95
7) Trichlorofluoromethane	1.868	101	54696	20.330	ug/l	98
8) Diethyl Ether	2.136	74	19874	19.781	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	33952	21.762	ug/l	99
10) 1,1-Dichloroethene	2.307	96	31546	20.977	ug/l	98
11) Methyl Iodide	2.447	142	30328	16.932	ug/l	99
12) Methyl Acetate	2.703	43	47187	20.834	ug/l	92
13) Acrolein	2.240	56	32383	117.448	ug/l	98
14) Acrylonitrile	3.063	53	98006	98.422	ug/l	100
15) Acetone	2.386	58	35182	131.867	ug/l	100
16) Carbon Disulfide	2.502	76	68316	20.120	ug/l	99
17) Allyl chloride	2.654	41	55420	20.766	ug/l	99
18) Methylene Chloride	2.782	84	36229	20.256	ug/l	98
19) trans-1,2-Dichloroethene	3.081	96	32406	18.792	ug/l	97
20) Diisopropyl ether	3.758	45	109874	19.595	ug/l	99
21) 1,1-Dichloroethane	3.605	63	61136	19.427	ug/l	100
22) cis-1,2-Dichloroethene	4.477	96	39060	18.640	ug/l	99
23) tert-Butyl Alcohol	2.989	59	40262m	95.278	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	106463	18.962	ug/l	99
25) Chloroform	5.087	83	65122	19.425	ug/l	98
26) Cyclohexane	5.458	56	51183	19.504	ug/l #	98
29) 1,1-Dichloropropene	5.684	75	42693	19.794	ug/l	100
30) 2-Butanone	4.556	43	151817	106.045	ug/l	99
31) 2,2-Dichloropropane	4.465	77	50740	20.045	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	57532	19.879	ug/l	100
33) Carbon Tetrachloride	5.666	117	50345	20.331	ug/l	98
34) Benzene	6.025	78	133348	19.576	ug/l	99
35) Methacrylonitrile	4.916	41	28759	19.914	ug/l	96
36) 1,2-Dichloroethane	6.086	62	50710	19.949	ug/l	100
37) Trichloroethene	7.117	130	36306	19.130	ug/l	98
38) Methylcyclohexane	7.373	83	53481	19.528	ug/l	99
39) 1,2-Dichloropropane	7.422	63	32424	20.137	ug/l	99
40) Dibromomethane	7.580	93	25020	19.743	ug/l	98
41) Bromodichloromethane	7.818	83	48192	20.256	ug/l	98
42) Vinyl Acetate	3.715	43	488108	98.268	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
 Data File : VX041577.D
 Acq On : 21 May 2024 09:43
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/22/2024
 Supervised By :Semsettin Yesilyurt 05/22/2024

Quant Time: May 22 02:50:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.709	43	52888	19.146	ug/l	99
44) Isopropyl Acetate	6.336	43	81928	19.621	ug/l	99
45) 1,4-Dioxane	7.665	88	17139	363.955	ug/l	89
46) Methyl methacrylate	7.690	41	40511	19.499	ug/l	99
47) n-amyl Acetate	10.842	43	72888	19.249	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	46304	19.380	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	51574	19.929	ug/l	96
50) 1,1,2-Trichloroethane	9.147	97	34777	19.727	ug/l	93
51) Ethyl methacrylate	9.116	69	53276	18.775	ug/l	97
52) 1,3-Dichloropropane	9.305	76	57650	19.790	ug/l	98
53) Dibromochloromethane	9.519	129	40464	20.173	ug/l	98
54) 1,2-Dibromoethane	9.610	107	37233	19.916	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	137824	99.508	ug/l	99
56) Bromoform	10.799	173	32357	20.134	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	280116	99.986	ug/l	99
59) 2-Hexanone	9.427	43	228871	102.548	ug/l	100
61) Tetrachloroethene	9.269	164	36359	19.382	ug/l	95
62) Toluene	8.714	91	148951	19.523	ug/l	99
64) Chlorobenzene	10.080	112	100774	19.446	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	36582	19.944	ug/l	99
66) Ethyl Benzene	10.189	91	166770	19.685	ug/l	97
67) m/p-Xylenes	10.299	106	132126	39.883	ug/l	97
68) o-Xylene	10.640	106	65379	19.606	ug/l	98
69) Styrene	10.653	104	109890	19.654	ug/l	100
70) Isopropylbenzene	10.957	105	169114	20.069	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.214	83	58021	20.044	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	47393m	18.154	ug/l	
73) Bromobenzene	11.195	156	46752	18.882	ug/l	96
74) n-propylbenzene	11.305	91	192104	20.218	ug/l	100
75) 2-Chlorotoluene	11.360	91	120499	20.195	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	143375	19.934	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	15473	18.857	ug/l	91
78) 4-Chlorotoluene	11.451	91	134047	19.725	ug/l	97
79) tert-butylbenzene	11.713	119	150226	19.625	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	143670	19.929	ug/l	99
81) sec-Butylbenzene	11.890	105	178610	19.968	ug/l	100
82) p-Isopropyltoluene	12.006	119	156642	20.005	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	87700	19.750	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	88153	19.647	ug/l	99
85) n-Butylbenzene	12.329	91	124852	19.815	ug/l	99
86) Hexachloroethane	12.536	117	25634	19.445	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	89317	19.707	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	12621	19.853	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	60239	19.781	ug/l	98
90) Hexachlorobutadiene	13.725	225	30240	20.354	ug/l	100
91) Naphthalene	13.774	128	177633	19.516	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	61530	19.776	ug/l	100

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

