

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052824\
 Data File : VX041660.D
 Acq On : 28 May 2024 16:42
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/29/2024
 Supervised By : Mahesh Dadoda 05/29/2024

Quant Time: May 29 05:40:30 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	26564	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	154535	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	146582	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	68360	32.678	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.933%			
60) 4-Bromofluorobenzene	11.079	95	70124	30.645	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.167%			
63) Toluene-d8	8.647	98	182299	29.013	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	26637	19.171	ug/l	98
3) Chloromethane	1.301	50	26813	17.623	ug/l	100
4) Vinyl Chloride	1.374	62	29769	18.584	ug/l	99
5) Bromomethane	1.599	94	18078	17.743	ug/l	100
6) Chloroethane	1.666	64	16805	20.750	ug/l	95
7) Trichlorofluoromethane	1.868	101	50569	20.798	ug/l	96
8) Diethyl Ether	2.136	74	19524	21.502	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	29025	20.585	ug/l	98
10) 1,1-Dichloroethene	2.306	96	27080	19.925	ug/l	94
11) Methyl Iodide	2.441	142	33893	20.938	ug/l	98
12) Methyl Acetate	2.709	43	46017	22.482	ug/l	95
13) Acrolein	2.239	56	21063	84.527	ug/l	97
14) Acrylonitrile	3.069	53	89103	99.011	ug/l	98
15) Acetone	2.392	58	26786	111.090	ug/l	98
16) Carbon Disulfide	2.502	76	51544	16.797	ug/l	100
17) Allyl chloride	2.654	41	46120	19.122	ug/l	97
18) Methylene Chloride	2.782	84	33741	20.874	ug/l	97
19) trans-1,2-Dichloroethene	3.081	96	28043	17.994	ug/l	98
20) Diisopropyl ether	3.764	45	96157	18.975	ug/l	93
21) 1,1-Dichloroethane	3.599	63	54355	19.112	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	34904	18.431	ug/l	98
23) tert-Butyl Alcohol	2.995	59	37684m	98.675	ug/l	
24) Methyl tert-Butyl Ether	3.117	73	94159	18.557	ug/l	96
25) Chloroform	5.086	83	57745	19.059	ug/l	97
26) Cyclohexane	5.452	56	42831	18.059	ug/l #	100
29) 1,1-Dichloropropene	5.684	75	35517	17.374	ug/l	99
30) 2-Butanone	4.562	43	131902	97.212	ug/l	99
31) 2,2-Dichloropropane	4.471	77	42312	17.636	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	50473	18.401	ug/l	100
33) Carbon Tetrachloride	5.672	117	43039	18.339	ug/l	98
34) Benzene	6.031	78	117121	18.142	ug/l	99
35) Methacrylonitrile	4.922	41	27055	19.766	ug/l	96
36) 1,2-Dichloroethane	6.080	62	45341	18.820	ug/l	100
37) Trichloroethene	7.123	130	31451	17.485	ug/l	95
38) Methylcyclohexane	7.373	83	45890	17.680	ug/l	100
39) 1,2-Dichloropropane	7.421	63	27121	17.771	ug/l	99
40) Dibromomethane	7.580	93	22192	18.477	ug/l	99
41) Bromodichloromethane	7.818	83	42142	18.689	ug/l	98
42) Vinyl Acetate	3.721	43	430127	91.367	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052824\
 Data File : VX041660.D
 Acq On : 28 May 2024 16:42
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/29/2024
 Supervised By : Mahesh Dadoda 05/29/2024

Quant Time: May 29 05:40:30 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	4.715	43	45135	17.240	ug/l	97
44) Isopropyl Acetate	6.336	43	73462	18.563	ug/l	99
45) 1,4-Dioxane	7.665	88	16039m	359.365	ug/l	
46) Methyl methacrylate	7.690	41	37075	18.829	ug/l	97
47) n-amyl Acetate	10.842	43	65310	18.198	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	40773	18.005	ug/l	100
49) cis-1,3-Dichloropropene	8.360	75	43874	17.888	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	31569	18.894	ug/l	96
51) Ethyl methacrylate	9.116	69	47249	17.569	ug/l	98
52) 1,3-Dichloropropane	9.305	76	51484	18.647	ug/l	99
53) Dibromochloromethane	9.519	129	35781	18.821	ug/l	98
54) 1,2-Dibromoethane	9.610	107	33789	19.070	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	134671	102.589	ug/l	100
56) Bromoform	10.799	173	28012	18.391	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	261376	97.591	ug/l	100
59) 2-Hexanone	9.427	43	204612	95.898	ug/l	99
61) Tetrachloroethene	9.269	164	31320	17.464	ug/l	95
62) Toluene	8.714	91	131818	18.073	ug/l	100
64) Chlorobenzene	10.079	112	90092	18.185	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	32008	18.254	ug/l	99
66) Ethyl Benzene	10.189	91	147967	18.269	ug/l	98
67) m/p-Xylenes	10.299	106	115855	36.581	ug/l	98
68) o-Xylene	10.640	106	58572	18.373	ug/l	97
69) Styrene	10.653	104	96177	17.993	ug/l	99
70) Isopropylbenzene	10.963	105	150901	18.732	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	52477	18.963	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	44494m	17.828	ug/l	
73) Bromobenzene	11.195	156	42618	18.005	ug/l	98
74) n-propylbenzene	11.305	91	167680	18.460	ug/l	99
75) 2-Chlorotoluene	11.360	91	105541	18.502	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	126923	18.459	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	14100	17.975	ug/l	95
78) 4-Chlorotoluene	11.451	91	117421	18.074	ug/l	97
79) tert-butylbenzene	11.713	119	134406	18.366	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	127009	18.429	ug/l	100
81) sec-Butylbenzene	11.890	105	158523	18.538	ug/l	100
82) p-Isopropyltoluene	12.006	119	138172	18.458	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	77111	18.165	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	76834	17.913	ug/l	99
85) n-Butylbenzene	12.329	91	108002	17.930	ug/l	100
86) Hexachloroethane	12.536	117	22688	18.002	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	79125	18.262	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.945	75	11503	18.927	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	52434	18.010	ug/l	97
90) Hexachlorobutadiene	13.725	225	26121	18.391	ug/l	98
91) Naphthalene	13.774	128	156991	18.042	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	53797	18.086	ug/l	99

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

