

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021822\
 Data File : VX027094.D
 Acq On : 17 Feb 2022 22:44
 Operator : JC/MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC050

Quant Time: Feb 18 04:54:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X021822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 18 04:52:41 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/18/2022
 Supervised By : Mahesh Dadoda 02/21/2022

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

Internal Standards						
1) Bromochloromethane	4.903	128	14834	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	81463	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	70595	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	32081	28.265	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.233%		
60) 4-Bromofluorobenzene	11.085	95	34013	29.290	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.633%		
63) Toluene-d8	8.653	98	95830	30.221	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.733%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	43119	48.574	ug/l	96
3) Chloromethane	1.294	50	40792	42.183	ug/l	99
4) Vinyl Chloride	1.374	62	41029	42.417	ug/l	96
5) Bromomethane	1.605	94	18832	34.000	ug/l	96
6) Chloroethane	1.685	64	24100	39.824	ug/l	97
7) Trichlorofluoromethane	1.886	101	63217	40.737	ug/l	96
8) Diethyl Ether	2.136	74	22599	40.753	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	43448	48.140	ug/l	99
10) 1,1-Dichloroethene	2.325	96	43088	49.134	ug/l	96
11) Methyl Iodide	2.453	142	61345	50.510	ug/l	99
12) Methyl Acetate	2.709	43	63610	48.940	ug/l	99
13) Acrolein	2.239	56	51245	337.742	ug/l	98
14) Acrylonitrile	3.068	53	140968	245.110	ug/l	100
15) Acetone	2.380	58	37926	228.676	ug/l	98
16) Carbon Disulfide	2.514	76	114521	52.244	ug/l	99
17) Allyl chloride	2.666	41	77298	48.176	ug/l	97
18) Methylene Chloride	2.794	84	48193	47.215	ug/l	96
19) trans-1,2-Dichloroethene	3.093	96	46433	49.404	ug/l	98
20) Diisopropyl ether	3.763	45	153422	47.821	ug/l	91
21) 1,1-Dichloroethane	3.617	63	85654	48.845	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	53740	49.301	ug/l	99
23) tert-Butyl Alcohol	2.965	59	54662	216.876	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	150390	49.066	ug/l	100
25) Chloroform	5.105	83	85810	47.657	ug/l	92
26) Cyclohexane	5.477	56	79325	49.635	ug/l #	100
29) 1,1-Dichloropropene	5.702	75	64991	50.001	ug/l	100
30) 2-Butanone	4.562	43	199583	237.281	ug/l	100
31) 2,2-Dichloropropane	4.483	77	57046	41.224	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	77325	49.775	ug/l	99
33) Carbon Tetrachloride	5.684	117	68146	50.363	ug/l	100
34) Benzene	6.043	78	191423	49.464	ug/l	99
35) Methacrylonitrile	4.922	41	41528	48.230	ug/l	96
36) 1,2-Dichloroethane	6.092	62	68498	46.776	ug/l	99
37) Trichloroethene	7.129	130	56979	53.105	ug/l	96
38) Methylcyclohexane	7.385	83	80384	48.999	ug/l	99
39) 1,2-Dichloropropane	7.434	63	48253	47.927	ug/l	98
40) Dibromomethane	7.586	93	33941	47.518	ug/l	99
41) Bromodichloromethane	7.824	83	66171	50.363	ug/l	99
42) Vinyl Acetate	3.727	43	677556	243.479	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021822\
 Data File : VX027094.D
 Acq On : 17 Feb 2022 22:44
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 18 04:54:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X021822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 18 04:52:41 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	75463	47.664	ug/l	100
44) Isopropyl Acetate	6.342	43	116704	46.517	ug/l	100
45) 1,4-Dioxane	7.665	88	23577	914.567	ug/l	97
46) Methyl methacrylate	7.696	41	58351	48.034	ug/l	94
47) n-amyl Acetate	10.848	43	90377	42.820	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	67056	45.263	ug/l	99
49) cis-1,3-Dichloropropene	8.372	75	75256	47.279	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	46707	45.136	ug/l	98
51) Ethyl methacrylate	9.122	69	76719	46.890	ug/l	96
52) 1,3-Dichloropropane	9.311	76	80657	47.422	ug/l	98
53) Dibromochloromethane	9.525	129	50069	47.986	ug/l	99
54) 1,2-Dibromoethane	9.610	107	50636	46.602	ug/l	100
55) 2-Chloroethyl vinyl ether	8.244	63	191514	242.801	ug/l	100
56) Bromoform	10.805	173	34172	46.177	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	367965	241.321	ug/l	99
59) 2-Hexanone	9.433	43	279085	238.069	ug/l	99
61) Tetrachloroethene	9.275	164	57788	57.668	ug/l	96
62) Toluene	8.720	91	201174	49.766	ug/l	99
64) Chlorobenzene	10.079	112	123146	48.502	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	46785	49.736	ug/l	98
66) Ethyl Benzene	10.195	91	224057	49.954	ug/l	99
67) m/p-Xylenes	10.305	106	171384	98.914	ug/l	100
68) o-Xylene	10.646	106	84186	49.278	ug/l	99
69) Styrene	10.659	104	140794	49.915	ug/l	99
70) Isopropylbenzene	10.963	105	217487	48.391	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	62233	44.342	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	63468m	47.914	ug/l	
73) Bromobenzene	11.201	156	52137	47.735	ug/l	99
74) n-propylbenzene	11.305	91	249408	48.192	ug/l	99
75) 2-Chlorotoluene	11.366	91	150291	48.236	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	181466	48.728	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	19294	42.299	ug/l	91
78) 4-Chlorotoluene	11.457	91	169163	48.063	ug/l	100
79) tert-butylbenzene	11.719	119	172785	48.130	ug/l	98
80) 1,2,4-Trimethylbenzene	11.756	105	180316	48.932	ug/l	99
81) sec-Butylbenzene	11.890	105	220850	47.782	ug/l	100
82) p-Isopropyltoluene	12.012	119	186493	48.930	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	96773	48.730	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	96055	48.661	ug/l	99
85) n-Butylbenzene	12.335	91	155463	46.712	ug/l	99
86) Hexachloroethane	12.542	117	29920	48.570	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	94480	49.104	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	15934	49.954	ug/l	100
89) 1,2,4-Trichlorobenzene	13.591	180	59437	49.792	ug/l	99
90) Hexachlorobutadiene	13.725	225	24376	46.499	ug/l	98
91) Naphthalene	13.780	128	215891	52.377	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	61144	51.044	ug/l	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021822\
Data File : VX027094.D
Acq On : 17 Feb 2022 22:44
Operator : JC/MD
Sample : VSTDIC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Manual Integrations
APPROVED

Reviewed By : John Carlone 02/18/2022
Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 18 04:54:35 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X021822W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Feb 18 04:52:41 2022
Response via : Initial Calibration

