

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112723\
 Data File : VX039035.D
 Acq On : 27 Nov 2023 12:40
 Operator : JC/MD
 Sample : 04699-08 5.0PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2023

Quant Time: Nov 28 01:12:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/28/2023
 Supervised By : Mahesh Dadoda 11/28/2023

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

Internal Standards						
1) Bromochloromethane	4.897	128	10725	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	88125	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	110425	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	47679	32.495	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.333%			
60) 4-Bromofluorobenzene	11.079	95	71092	29.476	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.267%			
63) Toluene-d8	8.647	98	133744	30.634	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	8680	5.407	ug/l	96
3) Chloromethane	1.294	50	10168	5.532	ug/l	98
4) Vinyl Chloride	1.374	62	10107	5.447	ug/l	97
5) Bromomethane	1.605	94	6870m	6.053	ug/l	
6) Chloroethane	1.685	64	6129	5.672	ug/l	98
7) Trichlorofluoromethane	1.886	101	14474	5.652	ug/l	92
8) Diethyl Ether	2.130	74	5336	5.428	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	7758	5.361	ug/l	97
10) 1,1-Dichloroethene	2.319	96	7707	5.283	ug/l	90
11) Methyl Iodide	2.453	142	8372	5.237	ug/l	92
12) Methyl Acetate	2.703	43	23333	5.128	ug/l	100
13) Acrolein	2.233	56	13241	33.220	ug/l	97
14) Acrylonitrile	3.062	53	30991	27.849	ug/l	97
15) Acetone	2.373	58	16468	40.711	ug/l	99
16) Carbon Disulfide	2.508	76	23956	5.422	ug/l	96
17) Allyl chloride	2.660	41	16071	5.549	ug/l	94
18) Methylene Chloride	2.788	84	9790	5.661	ug/l	91
19) trans-1,2-Dichloroethene	3.087	96	8992	5.450	ug/l	86
20) Diisopropyl ether	3.757	45	29716	5.392	ug/l	98
21) 1,1-Dichloroethane	3.611	63	17019	5.554	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	10099	5.282	ug/l	97
23) tert-Butyl Alcohol	2.953	59	18198	29.539	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	29083	5.412	ug/l	94
25) Chloroform	5.086	83	16436m	5.344	ug/l	
26) Cyclohexane	5.458	56	15791	5.694	ug/l #	96
29) 1,1-Dichloropropene	5.690	75	12376	5.010	ug/l	98
30) 2-Butanone	4.550	43	58906	31.671	ug/l #	95
31) 2,2-Dichloropropane	4.471	77	14871	5.265	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	15047	5.270	ug/l	96
33) Carbon Tetrachloride	5.678	117	11317	4.705	ug/l	96
34) Benzene	6.031	78	36278	5.041	ug/l #	95
35) Methacrylonitrile	4.916	41	7808	4.739	ug/l	95
36) 1,2-Dichloroethane	6.092	62	13787	5.221	ug/l	96
37) Trichloroethene	7.123	130	9193	5.033	ug/l	92
38) Methylcyclohexane	7.379	83	16411	5.332	ug/l	97
39) 1,2-Dichloropropane	7.427	63	9693	5.107	ug/l	95
40) Dibromomethane	7.580	93	6544	4.880	ug/l	95
41) Bromodichloromethane	7.818	83	12898	5.007	ug/l #	96
42) Vinyl Acetate	3.721	43	114491	25.844	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112723\
 Data File : VX039035.D
 Acq On : 27 Nov 2023 12:40
 Operator : JC/MD
 Sample : 04699-08 5.0PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2023

Quant Time: Nov 28 01:12:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/28/2023
 Supervised By :Mahesh Dadoda 11/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	17013	5.317	ug/l	98
44) Isopropyl Acetate	6.336	43	26459	5.245	ug/l	100
45) 1,4-Dioxane	7.659	88	4734	91.930	ug/l	94
46) Methyl methacrylate	7.690	41	14326	4.967	ug/l	99
47) n-amyl Acetate	10.841	43	19866	4.653	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	14498	4.853	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	15117	4.906	ug/l	94
50) 1,1,2-Trichloroethane	9.153	97	9195	5.048	ug/l	98
51) Ethyl methacrylate	9.116	69	11264	4.940	ug/l	96
52) 1,3-Dichloropropane	9.305	76	16194	5.184	ug/l	99
53) Dibromochloromethane	9.518	129	9246	4.726	ug/l	100
54) 1,2-Dibromoethane	9.610	107	10122	5.067	ug/l	93
55) 2-Chloroethyl vinyl ether	8.238	63	36018	24.920	ug/l	99
56) Bromoform	10.799	173	6343	4.492	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	85227	25.451	ug/l	100
59) 2-Hexanone	9.427	43	78695	28.630	ug/l	99
61) Tetrachloroethene	9.269	164	7291	5.078	ug/l	95
62) Toluene	8.714	91	40788	5.203	ug/l	98
64) Chlorobenzene	10.079	112	23739	4.978	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	8417	4.901	ug/l	98
66) Ethyl Benzene	10.195	91	44432	4.977	ug/l	97
67) m/p-Xylenes	10.299	106	32908	9.976	ug/l	99
68) o-Xylene	10.640	106	16222	5.077	ug/l	100
69) Styrene	10.659	104	22770	4.815	ug/l	99
70) Isopropylbenzene	10.963	105	43018	5.032	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	15751	4.935	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	13459m	4.984	ug/l	
73) Bromobenzene	11.195	156	9422	4.841	ug/l	98
74) n-propylbenzene	11.305	91	52022	4.966	ug/l	99
75) 2-Chlorotoluene	11.360	91	30846	5.019	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	36312	4.930	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	4833	4.516	ug/l	96
78) 4-Chlorotoluene	11.457	91	35982	4.980	ug/l	98
79) tert-butylbenzene	11.713	119	34789	4.967	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	36013	4.886	ug/l	97
81) sec-Butylbenzene	11.890	105	44602	5.038	ug/l	98
82) p-Isopropyltoluene	12.012	119	36658	4.885	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	18617	4.998	ug/l	97
84) 1,4-Dichlorobenzene	12.042	146	18132	4.744	ug/l	97
85) n-Butylbenzene	12.335	91	35958	4.853	ug/l	97
86) Hexachloroethane	12.536	117	6193	4.356	ug/l	95
87) 1,2-Dichlorobenzene	12.335	146	17530	4.894	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	3857	4.725	ug/l	97
89) 1,2,4-Trichlorobenzene	13.585	180	10903	4.591	ug/l	95
90) Hexachlorobutadiene	13.725	225	3912	4.613	ug/l	96
91) Naphthalene	13.774	128	40738	4.651	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	10651	4.630	ug/l	96

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112723\
 Data File : VX039035.D
 Acq On : 27 Nov 2023 12:40
 Operator : JC/MD
 Sample : 04699-08 5.0PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2023

Quant Time: Nov 28 01:12:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/28/2023
 Supervised By :Mahesh Dadoda 11/28/2023

