

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030524\
 Data File : VX040589.D
 Acq On : 05 Mar 2024 15:27
 Operator : JC/MD
 Sample : P1187-07 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2024

Quant Time: Mar 06 00:13:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/06/2024
 Supervised By : Mahesh Dadoda 03/06/2024

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

Internal Standards						
1) Bromochloromethane	4.898	128	15305	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	86144	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	81870	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	44858	29.346	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	97.833%	
60) 4-Bromofluorobenzene	11.079	95	41913	29.846	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	99.500%	
63) Toluene-d8	8.647	98	108121	29.884	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.600%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	2924	2.817	ug/l	96
3) Chloromethane	1.295	50	2916	2.742	ug/l	99
4) Vinyl Chloride	1.374	62	3140	2.732	ug/l	95
5) Bromomethane	1.605	94	2263	3.224	ug/l	89
6) Chloroethane	1.685	64	1901	2.815	ug/l #	77
7) Trichlorofluoromethane	1.886	101	4818	2.753	ug/l	89
8) Diethyl Ether	2.130	74	1630	2.743	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	2681	2.797	ug/l	97
10) 1,1-Dichloroethene	2.319	96	2547	2.791	ug/l	90
11) Methyl Iodide	2.447	142	2623	2.376	ug/l	85
12) Methyl Acetate	2.703	43	3243	2.157	ug/l	96
13) Acrolein	2.233	56	3863	13.630	ug/l	94
14) Acrylonitrile	3.063	53	7645	12.914	ug/l	96
15) Acetone	2.380	58	2119	12.522	ug/l	84
16) Carbon Disulfide	2.514	76	7022	2.799	ug/l	99
17) Allyl chloride	2.660	41	4285	2.544	ug/l	89
18) Methylene Chloride	2.788	84	3199	3.070	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	2742	2.752	ug/l	88
20) Diisopropyl ether	3.758	45	8291	2.461	ug/l #	82
21) 1,1-Dichloroethane	3.611	63	5173	2.669	ug/l #	93
22) cis-1,2-Dichloroethene	4.489	96	3009	2.600	ug/l #	64
23) tert-Butyl Alcohol	2.959	59	3288	11.755	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	8030	2.384	ug/l #	90
25) Chloroform	5.087	83	5298	2.497	ug/l	97
26) Cyclohexane	5.465	56	4119m	2.633	ug/l	
29) 1,1-Dichloropropene	5.696	75	4035m	2.706	ug/l	
30) 2-Butanone	4.562	43	11306	12.426	ug/l #	93
31) 2,2-Dichloropropane	4.477	77	4009	2.491	ug/l #	74
32) 1,1,1-Trichloroethane	5.385	97	4921	2.619	ug/l #	50
33) Carbon Tetrachloride	5.672	117	3573m	2.260	ug/l	
34) Benzene	6.044	78	10383	2.579	ug/l #	93
35) Methacrylonitrile	4.928	41	2095	2.243	ug/l	85
36) 1,2-Dichloroethane	6.086	62	4986	2.679	ug/l #	86
37) Trichloroethene	7.129	130	2766	2.557	ug/l	87
38) Methylcyclohexane	7.379	83	4222	2.630	ug/l	94
39) 1,2-Dichloropropane	7.428	63	2841	2.772	ug/l	90
40) Dibromomethane	7.580	93	2012	2.499	ug/l	91
41) Bromodichloromethane	7.824	83	3862	2.411	ug/l #	86
42) Vinyl Acetate	3.721	43	38161	12.181	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030524\
 Data File : VX040589.D
 Acq On : 05 Mar 2024 15:27
 Operator : JC/MD
 Sample : P1187-07 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2024

Quant Time: Mar 06 00:13:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/06/2024
 Supervised By : Mahesh Dadoda 03/06/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	4143	2.418	ug/l #	76
44) Isopropyl Acetate	6.342	43	6445	2.356	ug/l #	68
45) 1,4-Dioxane	7.678	88	1485m	52.814	ug/l	
46) Methyl methacrylate	7.696	41	3138	2.310	ug/l	91
47) n-amyl Acetate	10.842	43	4859	2.061	ug/l	95
48) t-1,3-Dichloropropene	8.982	75	3982	2.352	ug/l	94
49) cis-1,3-Dichloropropene	8.366	75	3967	2.300	ug/l #	71
50) 1,1,2-Trichloroethane	9.153	97	2932	2.742	ug/l	97
51) Ethyl methacrylate	9.116	69	3687	2.190	ug/l	91
52) 1,3-Dichloropropane	9.311	76	4755	2.606	ug/l	99
53) Dibromochloromethane	9.519	129	2855	2.342	ug/l	97
54) 1,2-Dibromoethane	9.610	107	2845	2.404	ug/l	96
55) 2-Chloroethyl vinyl ether	8.245	63	10404	12.134	ug/l	99
56) Bromoform	10.799	173	1901	2.198	ug/l #	97
58) 4-Methyl-2-Pentanone	8.574	43	21114	11.582	ug/l	100
59) 2-Hexanone	9.433	43	15781	10.717	ug/l	97
61) Tetrachloroethene	9.275	164	2739	2.819	ug/l	94
62) Toluene	8.720	91	11819	2.621	ug/l	96
64) Chlorobenzene	10.080	112	7603	2.759	ug/l #	88
65) 1,1,1,2-Tetrachloroethane	10.165	131	2613	2.486	ug/l	96
66) Ethyl Benzene	10.195	91	13281	2.555	ug/l	100
67) m/p-Xylenes	10.299	106	9328	4.859	ug/l	93
68) o-Xylene	10.640	106	4566	2.471	ug/l	99
69) Styrene	10.659	104	7280	2.344	ug/l	97
70) Isopropylbenzene	10.964	105	12455	2.494	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.213	83	4629	2.644	ug/l	95
72) 1,2,3-Trichloropropane	11.238	75	4245m	2.695	ug/l	
73) Bromobenzene	11.201	156	3227	2.730	ug/l	87
74) n-propylbenzene	11.305	91	14056	2.279	ug/l	97
75) 2-Chlorotoluene	11.366	91	8216	2.245	ug/l	96
76) 1,3,5-Trimethylbenzene	11.451	105	9554	2.173	ug/l	96
77) t-1,4-Dichloro-2-butene	11.018	75	922	1.883	ug/l	66
78) 4-Chlorotoluene	11.457	91	10242	2.346	ug/l	97
79) tert-butylbenzene	11.713	119	9695	2.363	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	9378	2.165	ug/l	97
81) sec-Butylbenzene	11.890	105	11914	2.199	ug/l	95
82) p-Isopropyltoluene	12.006	119	9426	2.126	ug/l	96
83) 1,3-Dichlorobenzene	11.969	146	5046	2.194	ug/l	97
84) 1,4-Dichlorobenzene	12.043	146	5274	2.242	ug/l	98
85) n-Butylbenzene	12.335	91	9531	2.209	ug/l	95
86) Hexachloroethane	12.536	117	1459	1.885	ug/l	77
87) 1,2-Dichlorobenzene	12.335	146	5394	2.413	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.939	75	1036	2.213	ug/l	95
89) 1,2,4-Trichlorobenzene	13.591	180	3826	2.542	ug/l	96
90) Hexachlorobutadiene	13.725	225	1530	2.514	ug/l	95
91) Naphthalene	13.780	128	10976	2.236	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	3853	2.596	ug/l	97

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

