

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111022\
 Data File : VX032754.D
 Acq On : 11 Nov 2022 04:27
 Operator : JC/MD
 Sample : N4955-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2022

Quant Time: Nov 11 05:34:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/11/2022
 Supervised By : Mahesh Dadoda 11/11/2022

Supervised By : Mahesh
 Dadoda
 11/11/2022

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

Internal Standards						
1) Bromochloromethane	4.903	128	11399	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	77479	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	83175	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	32387	29.451	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.167%		
60) 4-Bromofluorobenzene	11.079	95	44221	27.794	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	92.633%		
63) Toluene-d8	8.646	98	84769	30.199	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.667%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	2330	2.310	ug/l	95
3) Chloromethane	1.294	50	2420	2.417	ug/l	92
4) Vinyl Chloride	1.373	62	2910	2.571	ug/l	97
5) Bromomethane	1.611	94	2992	2.977	ug/l	82
6) Chloroethane	1.684	64	2534	2.834	ug/l	89
7) Trichlorofluoromethane	1.885	101	5638	2.584	ug/l	90
8) Diethyl Ether	2.129	74	1891	2.680	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.324	101	2857	2.461	ug/l	98
10) 1,1-Dichloroethene	2.318	96	2721	2.454	ug/l	87
11) Methyl Iodide	2.458	142	2057	1.725	ug/l	85
12) Methyl Acetate	2.708	43	4177	2.543	ug/l	92
13) Acrolein	2.239	56	2815	12.851	ug/l	99
14) Acrylonitrile	3.074	53	7205	12.236	ug/l	99
15) Acetone	2.391	58	2053	13.407	ug/l	97
16) Carbon Disulfide	2.513	76	6692	2.424	ug/l	98
17) Allyl chloride	2.666	41	4104	2.329	ug/l	88
18) Methylene Chloride	2.794	84	3962	3.098	ug/l	87
19) trans-1,2-Dichloroethene	3.093	96	2943	2.409	ug/l	85
20) Diisopropyl ether	3.763	45	9313	2.357	ug/l #	94
21) 1,1-Dichloroethane	3.611	63	5449	2.457	ug/l	91
22) cis-1,2-Dichloroethene	4.489	96	3489	2.446	ug/l	85
23) tert-Butyl Alcohol	2.983	59	3227m	16.878	ug/l	
24) Methyl tert-Butyl Ether	3.117	73	9401	2.368	ug/l #	87
25) Chloroform	5.092	83	6166	2.493	ug/l	88
26) Cyclohexane	5.476	56	4719	2.436	ug/l #	77
29) 1,1-Dichloropropene	5.696	75	4147	2.413	ug/l	79
30) 2-Butanone	4.574	43	10391	12.969	ug/l	91
31) 2,2-Dichloropropane	4.476	77	3267	2.223	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	5199	2.405	ug/l	93
33) Carbon Tetrachloride	5.671	117	4326m	2.279	ug/l	
34) Benzene	6.037	78	11942	2.467	ug/l	98
35) Methacrylonitrile	4.928	41	2355m	2.595	ug/l	
36) 1,2-Dichloroethane	6.098	62	5004	2.511	ug/l #	79
37) Trichloroethene	7.128	130	3501	2.585	ug/l	83
38) Methylcyclohexane	7.384	83	4661	2.421	ug/l	88
39) 1,2-Dichloropropane	7.433	63	2982	2.433	ug/l #	80
40) Dibromomethane	7.586	93	2243	2.397	ug/l	95
41) Bromodichloromethane	7.823	83	4126	2.313	ug/l	90
42) Vinyl Acetate	3.720	43	34583	11.233	ug/l #	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111022\
 Data File : VX032754.D
 Acq On : 11 Nov 2022 04:27
 Operator : JC/MD
 Sample : N4955-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2022

Quant Time: Nov 11 05:34:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/11/2022
 Supervised By :Mahesh Dadoda 11/11/2022

Supervised By :Mahesh
 Dadoda
 11/11/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.720	43	4301m	2.669	ug/l	
44) Isopropyl Acetate	6.348	43	6027	2.231	ug/l	95
45) 1,4-Dioxane	7.695	88	1242	47.872	ug/l #	83
46) Methyl methacrylate	7.695	41	3199	2.353	ug/l	76
47) n-amyl Acetate	10.841	43	4880	2.032	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	3431	1.875	ug/l	95
49) cis-1,3-Dichloropropene	8.366	75	4171	2.159	ug/l #	84
50) 1,1,2-Trichloroethane	9.152	97	3068	2.385	ug/l	93
51) Ethyl methacrylate	9.122	69	3732	1.942	ug/l	73
52) 1,3-Dichloropropane	9.311	76	4975	2.365	ug/l	97
53) Dibromochloromethane	9.524	129	2972	2.124	ug/l	95
54) 1,2-Dibromoethane	9.616	107	3411	2.461	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	11118	11.974	ug/l #	92
56) Bromoform	10.798	173	1921	1.918	ug/l #	94
58) 4-Methyl-2-Pentanone	8.573	43	19960	12.259	ug/l #	90
59) 2-Hexanone	9.433	43	14434	12.040	ug/l	90
61) Tetrachloroethene	9.274	164	2909	2.503	ug/l	94
62) Toluene	8.720	91	13131	2.428	ug/l	99
64) Chlorobenzene	10.079	112	8415	2.516	ug/l #	86
65) 1,1,1,2-Tetrachloroethane	10.164	131	2900	2.276	ug/l	98
66) Ethyl Benzene	10.195	91	14103	2.324	ug/l	93
67) m/p-Xylenes	10.305	106	10753	4.554	ug/l	88
68) o-Xylene	10.646	106	5446	2.351	ug/l	92
69) Styrene	10.658	104	8345	2.167	ug/l	94
70) Isopropylbenzene	10.963	105	14006	2.264	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.213	83	4405	2.348	ug/l	97
72) 1,2,3-Trichloropropane	11.243	75	3899m	2.393	ug/l	
73) Bromobenzene	11.201	156	3903	2.597	ug/l	93
74) n-propylbenzene	11.304	91	15533	2.210	ug/l	94
75) 2-Chlorotoluene	11.365	91	10483	2.463	ug/l	89
76) 1,3,5-Trimethylbenzene	11.451	105	11896	2.275	ug/l	93
77) t-1,4-Dichloro-2-butene	11.024	75	817	1.643	ug/l	85
78) 4-Chlorotoluene	11.457	91	11100	2.264	ug/l	92
79) tert-butylbenzene	11.713	119	11553	2.273	ug/l	93
80) 1,2,4-Trimethylbenzene	11.749	105	11396	2.229	ug/l	96
81) sec-Butylbenzene	11.890	105	13618	2.226	ug/l	97
82) p-Isopropyltoluene	12.012	119	10780	2.090	ug/l	95
83) 1,3-Dichlorobenzene	11.969	146	6264	2.272	ug/l	97
84) 1,4-Dichlorobenzene	12.042	146	6839	2.470	ug/l	97
85) n-Butylbenzene	12.335	91	8885	2.033	ug/l	91
86) Hexachloroethane	12.542	117	1663	1.964	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	6281	2.291	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.944	75	902	2.266	ug/l #	76
89) 1,2,4-Trichlorobenzene	13.591	180	3793	2.253	ug/l	95
90) Hexachlorobutadiene	13.725	225	1506	2.223	ug/l	88
91) Naphthalene	13.774	128	12078	2.126	ug/l	96
92) 1,2,3-Trichlorobenzene	13.963	180	3753	2.217	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111022\
Data File : VX032754.D
Acq On : 11 Nov 2022 04:27
Operator : JC/MD
Sample : N4955-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2022

Quant Time: Nov 11 05:34:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 11 05:24:06 2022
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

Supervised By :Mahesh
Dadoda

11/11/2022

