

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032924\
 Data File : VX040832.D
 Acq On : 29 Mar 2024 09:29
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

04/01/2024
 Supervised By :Mahesh
 Dadoda

Quant Time: Mar 29 22:56:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 29 05:24:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	4150	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	34169	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	41199	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	22083	31.048	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.500%
60) 4-Bromofluorobenzene	11.079	95	26067	28.964	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.533%
63) Toluene-d8	8.647	98	50359	31.180	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.933%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	16168	22.253	ug/l	96
3) Chloromethane	1.301	50	14289	21.544	ug/l	94
4) Vinyl Chloride	1.374	62	15527	22.718	ug/l	95
5) Bromomethane	1.612	94	11306	26.187	ug/l	97
6) Chloroethane	1.691	64	9763	22.585	ug/l	100
7) Trichlorofluoromethane	1.892	101	24461	20.642	ug/l	99
8) Diethyl Ether	2.130	74	7475	20.231	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	14666	22.123	ug/l	97
10) 1,1-Dichloroethene	2.325	96	13559	21.823	ug/l	99
11) Methyl Iodide	2.453	142	18530	21.819	ug/l	93
12) Methyl Acetate	2.703	43	17594	19.725	ug/l	96
13) Acrolein	2.233	56	9371	95.902	ug/l	99
14) Acrylonitrile	3.056	53	39928	102.821	ug/l	99
15) Acetone	2.374	58	10699	97.155	ug/l	72
16) Carbon Disulfide	2.514	76	38024	21.790	ug/l	98
17) Allyl chloride	2.666	41	23712	20.788	ug/l	86
18) Methylene Chloride	2.788	84	14358	21.476	ug/l	97
19) trans-1,2-Dichloroethene	3.093	96	13983	21.536	ug/l	98
20) Diisopropyl ether	3.758	45	46863	21.101	ug/l #	97
21) 1,1-Dichloroethane	3.611	63	27011	21.544	ug/l	100
22) cis-1,2-Dichloroethene	4.483	96	16029	21.012	ug/l	92
23) tert-Butyl Alcohol	2.947	59	17842	99.047	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	46608	21.081	ug/l	93
25) Chloroform	5.093	83	29629	21.802	ug/l	97
26) Cyclohexane	5.465	56	22834	21.910	ug/l #	99
29) 1,1-Dichloropropene	5.690	75	20402	21.398	ug/l	96
30) 2-Butanone	4.544	43	60631	100.504	ug/l	96
31) 2,2-Dichloropropane	4.477	77	24068	21.374	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	26059	20.700	ug/l	96
33) Carbon Tetrachloride	5.672	117	23039	21.202	ug/l	93
34) Benzene	6.038	78	56483	20.652	ug/l	99
35) Methacrylonitrile	4.910	41	12604	19.742	ug/l	95
36) 1,2-Dichloroethane	6.080	62	23983	20.182	ug/l #	86
37) Trichloroethene	7.123	130	13419	19.861	ug/l	95
38) Methylcyclohexane	7.379	83	23483	20.862	ug/l	95
39) 1,2-Dichloropropane	7.428	63	13302	20.471	ug/l	100
40) Dibromomethane	7.574	93	11311	20.994	ug/l	97
41) Bromodichloromethane	7.818	83	23087	21.108	ug/l #	97
42) Vinyl Acetate	3.715	43	227725	102.129	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.709	43	23738	20.218	ug/l	100
44) Isopropyl Acetate	6.330	43	37581	20.033	ug/l	94
45) 1,4-Dioxane	7.653	88	6952	395.765	ug/l	97
46) Methyl methacrylate	7.690	41	18803	20.819	ug/l	94
47) n-amyl Acetate	10.842	43	32480	19.227	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	21542	19.853	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	23991	21.402	ug/l #	87
50) 1,1,2-Trichloroethane	9.147	97	13494	20.423	ug/l	96
51) Ethyl methacrylate	9.110	69	22341	19.360	ug/l	95
52) 1,3-Dichloropropane	9.305	76	22523	19.833	ug/l	98
53) Dibromochloromethane	9.519	129	16271	20.553	ug/l	99
54) 1,2-Dibromoethane	9.610	107	14457	19.768	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	47060	83.371	ug/l	100
56) Bromoform	10.799	173	11329	20.583	ug/l #	99
58) 4-Methyl-2-Pentanone	8.568	43	125322	107.704	ug/l	97
59) 2-Hexanone	9.427	43	93248	100.558	ug/l	94
61) Tetrachloroethene	9.269	164	11479	20.785	ug/l	95
62) Toluene	8.714	91	63132	22.657	ug/l	99
64) Chlorobenzene	10.080	112	38931	21.613	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	13693	21.691	ug/l	96
66) Ethyl Benzene	10.189	91	70711	21.590	ug/l	98
67) m/p-Xylenes	10.299	106	51259	42.630	ug/l	94
68) o-Xylene	10.640	106	23780	20.993	ug/l	90
69) Styrene	10.653	104	41225	20.974	ug/l	96
70) Isopropylbenzene	10.964	105	64555	20.921	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.207	83	22016	20.544	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	19171m	21.130	ug/l	
73) Bromobenzene	11.195	156	15724	21.370	ug/l	98
74) n-propylbenzene	11.305	91	82325	21.371	ug/l	100
75) 2-Chlorotoluene	11.360	91	48566	21.321	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	58885	22.053	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	6701	18.564	ug/l	77
78) 4-Chlorotoluene	11.451	91	60069	22.191	ug/l	98
79) tert-butylbenzene	11.713	119	56715	22.073	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	55952	21.145	ug/l	100
81) sec-Butylbenzene	11.890	105	70450	21.382	ug/l	99
82) p-Isopropyltoluene	12.006	119	60806	21.795	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	30954	21.665	ug/l	98
84) 1,4-Dichlorobenzene	12.037	146	31278	21.243	ug/l	99
85) n-Butylbenzene	12.329	91	60001	21.625	ug/l	97
86) Hexachloroethane	12.536	117	9929	20.031	ug/l	89
87) 1,2-Dichlorobenzene	12.335	146	29501	21.346	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	5561	20.162	ug/l	97
89) 1,2,4-Trichlorobenzene	13.585	180	20730	21.501	ug/l	97
90) Hexachlorobutadiene	13.725	225	8530	23.591	ug/l	99
91) Naphthalene	13.774	128	69393	21.520	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	20325	22.115	ug/l	99

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

