

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032824\
 Data File : VX040827.D
 Acq On : 28 Mar 2024 16:48
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 29 04:53:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 29 04:49:13 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/29/2024
 Supervised By : Mahesh Dadoda 03/29/2024

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

Internal Standards						
1) Bromochloromethane	4.897	128	3268	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	25730	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	32917	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	15970	28.513	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.033%		
60) 4-Bromofluorobenzene	11.079	95	22195	30.866	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.900%		
63) Toluene-d8	8.647	98	38542	29.867	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.567%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	61093	106.781	ug/l	98
3) Chloromethane	1.301	50	54387	104.133	ug/l	97
4) Vinyl Chloride	1.374	62	56111	104.253	ug/l	98
5) Bromomethane	1.599	94	31617	92.996	ug/l	99
6) Chloroethane	1.679	64	33769	99.202	ug/l	99
7) Trichlorofluoromethane	1.886	101	98325	105.367	ug/l	98
8) Diethyl Ether	2.136	74	30109	103.485	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	53087	101.693	ug/l	97
10) 1,1-Dichloroethene	2.319	96	49647	101.472	ug/l	92
11) Methyl Iodide	2.453	142	67137	100.387	ug/l	96
12) Methyl Acetate	2.703	43	72843	103.708	ug/l	99
13) Acrolein	2.239	56	41875	544.206	ug/l	98
14) Acrylonitrile	3.062	53	156075	510.391	ug/l	98
15) Acetone	2.380	58	43105	497.069	ug/l #	64
16) Carbon Disulfide	2.514	76	140567	102.295	ug/l	98
17) Allyl chloride	2.666	41	92711	103.215	ug/l	86
18) Methylene Chloride	2.788	84	53549	101.715	ug/l	96
19) trans-1,2-Dichloroethene	3.093	96	51236	100.209	ug/l	98
20) Diisopropyl ether	3.764	45	178082	101.826	ug/l	90
21) 1,1-Dichloroethane	3.611	63	99018	100.292	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	61394	102.198	ug/l	94
23) tert-Butyl Alcohol	2.965	59	73619	518.982	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	179490	103.094	ug/l	94
25) Chloroform	5.093	83	110855	103.587	ug/l	94
26) Cyclohexane	5.471	56	85055	103.637	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	74837	104.234	ug/l	97
30) 2-Butanone	4.550	43	235776	519.018	ug/l	98
31) 2,2-Dichloropropane	4.477	77	90061	106.213	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	99918	105.403	ug/l	99
33) Carbon Tetrachloride	5.678	117	87396	106.807	ug/l	99
34) Benzene	6.038	78	209788	101.864	ug/l	99
35) Methacrylonitrile	4.916	41	50189	103.576	ug/l	96
36) 1,2-Dichloroethane	6.086	62	91887	102.684	ug/l	95
37) Trichloroethene	7.123	130	54205	106.540	ug/l	98
38) Methylcyclohexane	7.379	83	89746	105.881	ug/l	95
39) 1,2-Dichloropropane	7.428	63	52625	107.549	ug/l	98
40) Dibromomethane	7.580	93	42994	105.972	ug/l	97
41) Bromodichloromethane	7.824	83	89439	108.591	ug/l	98
42) Vinyl Acetate	3.721	43	879584	523.849	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	91828	102.384	ug/l	100
44) Isopropyl Acetate	6.336	43	152243	107.771	ug/l	95
45) 1,4-Dioxane	7.659	88	29251	2211.365	ug/l	96
46) Methyl methacrylate	7.690	41	74382	109.367	ug/l	93
47) n-amyl Acetate	10.842	43	143597	112.887	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	91315	111.759	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	92647	109.755	ug/l #	90
50) 1,1,2-Trichloroethane	9.153	97	52919	106.361	ug/l	97
51) Ethyl methacrylate	9.116	69	98499	113.349	ug/l	95
52) 1,3-Dichloropropane	9.305	76	93272	109.071	ug/l	100
53) Dibromochloromethane	9.519	129	65398	109.702	ug/l	99
54) 1,2-Dibromoethane	9.610	107	59034	107.198	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	232239	546.373	ug/l	99
56) Bromoform	10.799	173	46924	113.215	ug/l #	97
58) 4-Methyl-2-Pentanone	8.574	43	498463	536.174	ug/l	98
59) 2-Hexanone	9.427	43	396855	535.645	ug/l	96
61) Tetrachloroethene	9.275	164	47699	108.100	ug/l	98
62) Toluene	8.720	91	237347	106.612	ug/l	99
64) Chlorobenzene	10.079	112	152614	106.042	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	53987	107.039	ug/l	98
66) Ethyl Benzene	10.195	91	281408	107.537	ug/l	98
67) m/p-Xylenes	10.299	106	205768	214.185	ug/l	94
68) o-Xylene	10.640	106	97918	108.193	ug/l	95
69) Styrene	10.653	104	171103	108.956	ug/l	97
70) Isopropylbenzene	10.963	105	269131	109.162	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	90682	105.910	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	79454m	109.609	ug/l	
73) Bromobenzene	11.195	156	63679	108.318	ug/l	97
74) n-propylbenzene	11.305	91	339214	110.212	ug/l	100
75) 2-Chlorotoluene	11.366	91	197942	108.763	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	233999	109.683	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	33128	114.869	ug/l	84
78) 4-Chlorotoluene	11.451	91	235604	108.935	ug/l	98
79) tert-butylbenzene	11.713	119	223539	108.887	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	231055	109.287	ug/l	99
81) sec-Butylbenzene	11.890	105	289113	109.826	ug/l	99
82) p-Isopropyltoluene	12.006	119	246456	110.565	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	122477	107.293	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	126874	107.850	ug/l	99
85) n-Butylbenzene	12.329	91	247738	111.754	ug/l	98
86) Hexachloroethane	12.536	117	44582	112.572	ug/l	90
87) 1,2-Dichlorobenzene	12.335	146	119629	108.341	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.939	75	24570	111.492	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	83548	108.458	ug/l	98
90) Hexachlorobutadiene	13.725	225	30766	106.495	ug/l	96
91) Naphthalene	13.774	128	286893	111.356	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	81174	110.546	ug/l	100

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

