Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032824\
Data File : VX040828.D
Acq On : 28 Mar 2024 17:11
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 29 04:54:07 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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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	4.904	128	3305	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	6.763	114	29463	30.000	ug/l		0.00
57) Chlorobenzene-d5	10.055	117	36892	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	5.952	65	18594	32.826	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.433%				
60) 4-Bromofluorobenzene	11.079	95	24065	29.861	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.533%				
63) Toluene-d8	8.647	98	41541	28.723	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.733%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	92635	160.100	ug/l		98
3) Chloromethane	1.301	50	83461	158.010	ug/l		95
4) Vinyl Chloride	1.374	62	84822	155.833	ug/l		97
5) Bromomethane	1.599	94	45863	133.388	ug/l		97
6) Chloroethane	1.672	64	54918	159.524	ug/l		99
7) Trichlorofluoromethane	1.880	101	146133	154.846	ug/l		96
8) Diethyl Ether	2.136	74	46846	159.208	ug/l		99
9) 1,1,2-Trichlorotrifluo...	2.325	101	81896	155.124	ug/l		95
10) 1,1-Dichloroethene	2.319	96	78365	158.375	ug/l		97
11) Methyl Iodide	2.447	142	102339	151.311	ug/l		93
12) Methyl Acetate	2.703	43	116537	164.058	ug/l		99
13) Acrolein	2.239	56	69924	898.556	ug/l		98
14) Acrylonitrile	3.069	53	251508	813.265	ug/l		98
15) Acetone	2.380	58	68346	779.315	ug/l	#	69
16) Carbon Disulfide	2.508	76	222647	160.214	ug/l		98
17) Allyl chloride	2.660	41	147976	162.898	ug/l		87
18) Methylene Chloride	2.788	84	85053	159.747	ug/l		100
19) trans-1,2-Dichloroethene	3.093	96	80806	156.273	ug/l		100
20) Diisopropyl ether	3.757	45	290226	164.092	ug/l		93
21) 1,1-Dichloroethane	3.611	63	159015	159.258	ug/l		100
22) cis-1,2-Dichloroethene	4.489	96	97617	160.677	ug/l		95
23) tert-Butyl Alcohol	2.977	59	123019	857.522	ug/l	#	100
24) Methyl tert-Butyl Ether	3.117	73	283842	161.206	ug/l		93
25) Chloroform	5.093	83	168201	155.413	ug/l		96
26) Cyclohexane	5.471	56	129351	155.847	ug/l	#	98
29) 1,1-Dichloropropene	5.690	75	117450	142.860	ug/l		96
30) 2-Butanone	4.556	43	378357	727.357	ug/l		97
31) 2,2-Dichloropropane	4.471	77	146481	150.864	ug/l		95
32) 1,1,1-Trichloroethane	5.385	97	153603	141.505	ug/l		98
33) Carbon Tetrachloride	5.678	117	136002	145.150	ug/l		96
34) Benzene	6.038	78	334645	141.901	ug/l		98
35) Methacrylonitrile	4.922	41	83476	150.444	ug/l		94
36) 1,2-Dichloroethane	6.086	62	146330	142.806	ug/l	#	95
37) Trichloroethene	7.123	130	82788	142.103	ug/l		96
38) Methylcyclohexane	7.379	83	137902	142.081	ug/l		97
39) 1,2-Dichloropropane	7.428	63	78521	140.141	ug/l		99
40) Dibromomethane	7.580	93	64752	139.379	ug/l		97
41) Bromodichloromethane	7.824	83	135545	143.719	ug/l		100
42) Vinyl Acetate	3.721	43	1420248	738.680	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	4.715	43	153336	149.301	ug/l		98
44) Isopropyl Acetate	6.342	43	245518	151.779	ug/l		95
45) 1,4-Dioxane	7.659	88	45716	3018.219	ug/l		96
46) Methyl methacrylate	7.690	41	118265	151.857	ug/l		93
47) n-amyl Acetate	10.842	43	227036	155.868	ug/l		98
48) t-1,3-Dichloropropene	8.976	75	142221	152.008	ug/l		96
49) cis-1,3-Dichloropropene	8.366	75	141369	146.255	ug/l		92
50) 1,1,2-Trichloroethane	9.153	97	82098	144.100	ug/l		97
51) Ethyl methacrylate	9.116	69	151339	152.090	ug/l		97
52) 1,3-Dichloropropane	9.305	76	140847	143.836	ug/l		99
53) Dibromochloromethane	9.519	129	101214	148.270	ug/l		99
54) 1,2-Dibromoethane	9.610	107	88261	139.964	ug/l		99
55) 2-Chloroethyl vinyl ether	8.244	63	366552	753.100	ug/l		99
56) Bromoform	10.799	173	73992	155.903	ug/l	#	97
58) 4-Methyl-2-Pentanone	8.574	43	777020	745.750	ug/l		98
59) 2-Hexanone	9.433	43	635649	765.510	ug/l		96
61) Tetrachloroethene	9.275	164	73068	147.752	ug/l		98
62) Toluene	8.720	91	358163	143.546	ug/l		99
64) Chlorobenzene	10.079	112	232481	144.131	ug/l		100
65) 1,1,1,2-Tetrachloroethane	10.165	131	84662	149.771	ug/l		97
66) Ethyl Benzene	10.195	91	430228	146.693	ug/l		100
67) m/p-Xylenes	10.299	106	315640	293.151	ug/l		95
68) o-Xylene	10.640	106	148836	146.734	ug/l		93
69) Styrene	10.653	104	264115	150.063	ug/l		97
70) Isopropylbenzene	10.963	105	405349	146.699	ug/l		99
71) 1,1,2,2-Tetrachloroethane	11.213	83	143696	149.744	ug/l		99
72) 1,2,3-Trichloropropane	11.238	75	122369m	150.622	ug/l		
73) Bromobenzene	11.195	156	99165	150.505	ug/l		97
74) n-propylbenzene	11.305	91	516109	149.619	ug/l		100
75) 2-Chlorotoluene	11.366	91	302623	148.365	ug/l		99
76) 1,3,5-Trimethylbenzene	11.451	105	355431	148.651	ug/l		99
77) t-1,4-Dichloro-2-butene	11.018	75	54108	167.401	ug/l		87
78) 4-Chlorotoluene	11.457	91	362486	149.543	ug/l		98
79) tert-butylbenzene	11.713	119	345722	150.259	ug/l		97
80) 1,2,4-Trimethylbenzene	11.750	105	357402	150.834	ug/l		98
81) sec-Butylbenzene	11.890	105	438426	148.601	ug/l		100
82) p-Isopropyltoluene	12.006	119	376244	150.604	ug/l		99
83) 1,3-Dichlorobenzene	11.969	146	188044	146.982	ug/l		98
84) 1,4-Dichlorobenzene	12.043	146	194237	147.322	ug/l		99
85) n-Butylbenzene	12.329	91	381322	153.480	ug/l		99
86) Hexachloroethane	12.536	117	69200	155.907	ug/l		88
87) 1,2-Dichlorobenzene	12.335	146	187812	151.763	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	40021	162.037	ug/l		96
89) 1,2,4-Trichlorobenzene	13.585	180	129564	150.072	ug/l		97
90) Hexachlorobutadiene	13.725	225	48076	148.482	ug/l		97
91) Naphthalene	13.774	128	444883	154.074	ug/l		99
92) 1,2,3-Trichlorobenzene	13.963	180	126314	153.485	ug/l		98

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

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