Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120623\
Data File : VX039087.D
Acq On : 06 Dec 2023 11:24
Operator : JC/MD
Sample : VX1206WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 07 04:00:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 27 03:22:25 2023
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1206WBSD01

Manual Integrations APPROVED
Reviewed By :John Carlone 12/08/2023
Supervised By :Mahesh Dadoda 12/08/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	10163	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	79058	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	100376	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	41513	29.858	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.533%			
60) 4-Bromofluorobenzene	11.079	95	65968	30.090	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.300%			
63) Toluene-d8	8.647	98	115936	29.214	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.367%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	28402	18.671	ug/l	98
3) Chloromethane	1.294	50	33763	19.385	ug/l	97
4) Vinyl Chloride	1.374	62	32200	18.312	ug/l	99
5) Bromomethane	1.611	94	23723	22.058	ug/l	99
6) Chloroethane	1.691	64	19556	19.098	ug/l	97
7) Trichlorofluoromethane	1.892	101	45146	18.603	ug/l	96
8) Diethyl Ether	2.130	74	18346	19.693	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	28801	21.001	ug/l	99
10) 1,1-Dichloroethene	2.319	96	27740	20.067	ug/l	99
11) Methyl Iodide	2.453	142	27545	18.184	ug/l	94
12) Methyl Acetate	2.697	43	100545	23.320	ug/l	98
13) Acrolein	2.233	56	35687	94.484	ug/l	99
14) Acrylonitrile	3.056	53	118333	112.216	ug/l	99
15) Acetone	2.373	58	39696	103.561	ug/l	95
16) Carbon Disulfide	2.514	76	76792	18.342	ug/l	98
17) Allyl chloride	2.666	41	58406	21.283	ug/l	96
18) Methylene Chloride	2.788	84	34157	20.845	ug/l	97
19) trans-1,2-Dichloroethene	3.093	96	31243	19.983	ug/l	94
20) Diisopropyl ether	3.751	45	113460	21.726	ug/l	98
21) 1,1-Dichloroethane	3.605	63	59866	20.618	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	36948	20.391	ug/l	99
23) tert-Butyl Alcohol	2.940	59	56125	96.141	ug/l #	100
24) Methyl tert-Butyl Ether	3.105	73	107740	21.157	ug/l	99
25) Chloroform	5.086	83	58964	20.233	ug/l	99
26) Cyclohexane	5.470	56	52710	20.057	ug/l #	99
29) 1,1-Dichloropropene	5.690	75	43348	19.559	ug/l	98
30) 2-Butanone	4.544	43	178814	107.165	ug/l	100
31) 2,2-Dichloropropane	4.471	77	50356	19.873	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	48653	18.994	ug/l	99
33) Carbon Tetrachloride	5.672	117	40277	18.667	ug/l	97
34) Benzene	6.031	78	131950	20.438	ug/l	97
35) Methacrylonitrile	4.910	41	32861	22.233	ug/l	97
36) 1,2-Dichloroethane	6.080	62	47373	19.998	ug/l	99
37) Trichloroethene	7.123	130	32036	19.551	ug/l	98
38) Methylcyclohexane	7.372	83	54731	19.820	ug/l	97
39) 1,2-Dichloropropane	7.427	63	35862	21.062	ug/l	97
40) Dibromomethane	7.580	93	24875	20.677	ug/l	99
41) Bromodichloromethane	7.818	83	46406	20.079	ug/l	95
42) Vinyl Acetate	3.715	43	428810	107.897	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.702	43	61291	21.351	ug/l	100
44) Isopropyl Acetate	6.330	43	97491	21.543	ug/l	100
45) 1,4-Dioxane	7.653	88	17239	373.160	ug/l	97
46) Methyl methacrylate	7.690	41	56240	21.737	ug/l	98
47) n-amyl Acetate	10.841	43	80168	20.930	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	53687	20.034	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	57116	20.661	ug/l	98
50) 1,1,2-Trichloroethane	9.147	97	34605	21.176	ug/l	97
51) Ethyl methacrylate	9.116	69	44132	21.573	ug/l	91
52) 1,3-Dichloropropane	9.305	76	60410	21.558	ug/l	100
53) Dibromochloromethane	9.518	129	34743	19.796	ug/l	99
54) 1,2-Dibromoethane	9.610	107	37346	20.839	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	136758	105.472	ug/l	99
56) Bromoform	10.799	173	24516	19.355	ug/l	98
58) 4-Methyl-2-Pentanone	8.567	43	335001	110.057	ug/l	99
59) 2-Hexanone	9.427	43	271369	108.611	ug/l	99
61) Tetrachloroethene	9.268	164	25675	19.674	ug/l	93
62) Toluene	8.714	91	143598	20.150	ug/l	100
64) Chlorobenzene	10.079	112	88477	20.411	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.159	131	31252	20.019	ug/l	97
66) Ethyl Benzene	10.189	91	162051	19.970	ug/l	97
67) m/p-Xylenes	10.299	106	118064	39.374	ug/l	98
68) o-Xylene	10.640	106	57290	19.724	ug/l	100
69) Styrene	10.652	104	85567	19.905	ug/l	98
70) Isopropylbenzene	10.963	105	154386	19.866	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	61467	21.187	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	52025m	21.192	ug/l	
73) Bromobenzene	11.195	156	34558	19.532	ug/l	96
74) n-propylbenzene	11.305	91	189988	19.954	ug/l	100
75) 2-Chlorotoluene	11.360	91	112942	20.218	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	133891	19.999	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	19027	19.560	ug/l	92
78) 4-Chlorotoluene	11.451	91	132264	20.139	ug/l	98
79) tert-butylbenzene	11.713	119	125015	19.637	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	132391	19.758	ug/l	100
81) sec-Butylbenzene	11.890	105	162103	20.142	ug/l	99
82) p-Isopropyltoluene	12.006	119	132948	19.491	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	66084	19.517	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	68623	19.751	ug/l	99
85) n-Butylbenzene	12.329	91	133850	19.871	ug/l	98
86) Hexachloroethane	12.536	117	24041	18.602	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	65590	20.144	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	14972	20.179	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	42813	19.832	ug/l	99
90) Hexachlorobutadiene	13.725	225	15806	20.505	ug/l	97
91) Naphthalene	13.774	128	157350	19.764	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	41264	19.734	ug/l	99

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

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