Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080624\
Data File : VX042867.D
Acq On : 06 Aug 2024 13:33
Operator : JC/MD
Sample : VX0806WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 07 04:58:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 07 04:53:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0806WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/07/2024
Supervised By :Mahesh Dadoda 08/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.904	128	40611m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	240280	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	221648	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	108327	28.887	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 96.300%			
60) 4-Bromofluorobenzene	11.079	95	106718	29.512	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.367%			
63) Toluene-d8	8.647	98	300820	30.046	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.167%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	43963	18.409	ug/l	100
3) Chloromethane	1.301	50	39267	17.914	ug/l	98
4) Vinyl Chloride	1.374	62	41298	17.648	ug/l	91
5) Bromomethane	1.599	94	26383	18.499	ug/l	95
6) Chloroethane	1.666	64	24420	17.547	ug/l	100
7) Trichlorofluoromethane	1.874	101	70755	18.961	ug/l	100
8) Diethyl Ether	2.136	74	27515	18.761	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	47061	18.497	ug/l	99
10) 1,1-Dichloroethene	2.313	96	43861	18.047	ug/l	90
11) Methyl Iodide	2.447	142	41102	18.379	ug/l	93
12) Methyl Acetate	2.709	43	121192	22.812	ug/l	99
13) Acrolein	2.240	56	13929	90.677	ug/l	97
14) Acrylonitrile	3.069	53	155574	96.338	ug/l	98
15) Acetone	2.392	58	44323	84.657	ug/l	88
16) Carbon Disulfide	2.502	76	79706	15.761	ug/l	98
17) Allyl chloride	2.660	41	74781	19.016	ug/l	95
18) Methylene Chloride	2.782	84	52749	18.715	ug/l	92
19) trans-1,2-Dichloroethene	3.087	96	44177	17.851	ug/l	96
20) Diisopropyl ether	3.764	45	167904	19.546	ug/l	98
21) 1,1-Dichloroethane	3.605	63	91276	18.685	ug/l	97
22) cis-1,2-Dichloroethene	4.489	96	58756	18.919	ug/l	97
23) tert-Butyl Alcohol	2.989	59	65349	87.774	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	171070	19.449	ug/l	99
25) Chloroform	5.093	83	98374	18.612	ug/l	97
26) Cyclohexane	5.458	56	68767	17.845	ug/l #	96
29) 1,1-Dichloropropene	5.684	75	60658	19.589	ug/l	97
30) 2-Butanone	4.562	43	231184	101.384	ug/l	99
31) 2,2-Dichloropropane	4.471	77	70895	19.594	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	81722	19.063	ug/l	99
33) Carbon Tetrachloride	5.672	117	70146	19.129	ug/l	97
34) Benzene	6.032	78	196515	19.823	ug/l	96
35) Methacrylonitrile	4.922	41	44655	20.728	ug/l	97
36) 1,2-Dichloroethane	6.086	62	74579	20.384	ug/l	99
37) Trichloroethene	7.123	130	48669	19.392	ug/l	98
38) Methylcyclohexane	7.379	83	71938	18.746	ug/l	99
39) 1,2-Dichloropropane	7.428	63	50794	20.099	ug/l	97
40) Dibromomethane	7.580	93	38286	20.065	ug/l	99
41) Bromodichloromethane	7.824	83	71139	18.801	ug/l	96
42) Vinyl Acetate	3.721	43	671738	100.723	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	81712	21.361	ug/l	97
44) Isopropyl Acetate	6.342	43	124792	20.270	ug/l	97
45) 1,4-Dioxane	7.671	88	27869m	432.405	ug/l	
46) Methyl methacrylate	7.696	41	60515	19.780	ug/l	96
47) n-amyl Acetate	10.842	43	102732	19.507	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	68500	18.884	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	75725	19.277	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	54401	20.903	ug/l	96
51) Ethyl methacrylate	9.116	69	83664	19.647	ug/l	97
52) 1,3-Dichloropropane	9.305	76	85861	20.104	ug/l	99
53) Dibromochloromethane	9.519	129	57405	18.954	ug/l	99
54) 1,2-Dibromoethane	9.610	107	55415	20.474	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	205469	104.485	ug/l	98
56) Bromoform	10.799	173	39401	18.149	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	447549	107.223	ug/l	99
59) 2-Hexanone	9.433	43	336667	102.047	ug/l	100
61) Tetrachloroethene	9.275	164	43170	19.618	ug/l	99
62) Toluene	8.720	91	212795	19.602	ug/l	100
64) Chlorobenzene	10.080	112	137126	19.736	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	51042	20.236	ug/l	98
66) Ethyl Benzene	10.195	91	231996	19.227	ug/l	98
67) m/p-Xylenes	10.299	106	175436	38.456	ug/l	100
68) o-Xylene	10.640	106	88621	19.706	ug/l	98
69) Styrene	10.653	104	149919	19.360	ug/l	100
70) Isopropylbenzene	10.964	105	230265	19.455	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.214	83	87638	20.530	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	70205m	20.134	ug/l	
73) Bromobenzene	11.195	156	57036	18.965	ug/l	99
74) n-propylbenzene	11.305	91	261433	18.882	ug/l	100
75) 2-Chlorotoluene	11.366	91	166668	19.722	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	195046	19.443	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	22279	17.970	ug/l	81
78) 4-Chlorotoluene	11.451	91	184322	19.018	ug/l	99
79) tert-butylbenzene	11.713	119	198260	19.261	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	194827	19.685	ug/l	100
81) sec-Butylbenzene	11.890	105	243261	19.282	ug/l	100
82) p-Isopropyltoluene	12.006	119	202103	19.129	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	105650	19.086	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	106322	19.105	ug/l	99
85) n-Butylbenzene	12.335	91	167990	17.641	ug/l	98
86) Hexachloroethane	12.536	117	33796	17.724	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	110848	20.102	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	18010	18.675	ug/l	97
89) 1,2,4-Trichlorobenzene	13.585	180	63657	17.744	ug/l	95
90) Hexachlorobutadiene	13.725	225	28647	18.478	ug/l	97
91) Naphthalene	13.774	128	235718	19.518	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	67124	18.528	ug/l	98

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

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