

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120823\
 Data File : VX039095.D
 Acq On : 08 Dec 2023 10:43
 Operator : JC/MD
 Sample : VX1208WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 08 23:44:38 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

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023

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

Internal Standards						
1) Bromochloromethane	4.898	128	11703m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	91696	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	113262	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	46850	29.262	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.533%		
60) 4-Bromofluorobenzene	11.079	95	75278	30.430	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.433%		
63) Toluene-d8	8.647	98	136002	30.371	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.233%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	33012	18.846	ug/l	100
3) Chloromethane	1.295	50	38842	19.366	ug/l	97
4) Vinyl Chloride	1.374	62	38752	19.139	ug/l	96
5) Bromomethane	1.612	94	27033	21.828	ug/l	94
6) Chloroethane	1.691	64	24616	20.876	ug/l	97
7) Trichlorofluoromethane	1.892	101	53345	19.088	ug/l	92
8) Diethyl Ether	2.130	74	20297	18.921	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	34183	21.646	ug/l	97
10) 1,1-Dichloroethene	2.319	96	33465	21.022	ug/l	91
11) Methyl Iodide	2.453	142	30801	17.657	ug/l	93
12) Methyl Acetate	2.697	43	109054	21.965	ug/l	100
13) Acrolein	2.233	56	43673	100.413	ug/l	100
14) Acrylonitrile	3.056	53	128725	106.007	ug/l	98
15) Acetone	2.374	58	43227	97.933	ug/l	97
16) Carbon Disulfide	2.514	76	88724	18.403	ug/l	99
17) Allyl chloride	2.660	41	65783	20.817	ug/l	93
18) Methylene Chloride	2.788	84	38155	20.221	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	35996	19.993	ug/l	96
20) Diisopropyl ether	3.751	45	130608	21.718	ug/l #	95
21) 1,1-Dichloroethane	3.605	63	69946	20.919	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	42646	20.439	ug/l	97
23) tert-Butyl Alcohol	2.941	59	57477	85.501	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	120167	20.492	ug/l	100
25) Chloroform	5.087	83	69226	20.628	ug/l	88
26) Cyclohexane	5.465	56	61930	20.464	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	51890	20.187	ug/l	97
30) 2-Butanone	4.544	43	195300	100.913	ug/l	99
31) 2,2-Dichloropropane	4.471	77	60908	20.724	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	59948	20.178	ug/l	97
33) Carbon Tetrachloride	5.672	117	48317	19.307	ug/l	95
34) Benzene	6.038	78	152417	20.355	ug/l	99
35) Methacrylonitrile	4.910	41	36614	21.358	ug/l	96
36) 1,2-Dichloroethane	6.080	62	54924	19.990	ug/l	100
37) Trichloroethene	7.123	130	37899	19.942	ug/l	99
38) Methylcyclohexane	7.379	83	65441	20.432	ug/l	98
39) 1,2-Dichloropropane	7.428	63	41244	20.885	ug/l	100
40) Dibromomethane	7.580	93	28440	20.383	ug/l	98
41) Bromodichloromethane	7.818	83	54818	20.450	ug/l	97
42) Vinyl Acetate	3.715	43	480319	104.201	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.702	43	64949	19.507	ug/l	98
44) Isopropyl Acetate	6.336	43	107231	20.430	ug/l	100
45) 1,4-Dioxane	7.653	88	16749	312.584	ug/l	94
46) Methyl methacrylate	7.690	41	62154	20.711	ug/l	98
47) n-amyl Acetate	10.842	43	92150	20.743	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	62606	20.142	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	66380	20.702	ug/l	98
50) 1,1,2-Trichloroethane	9.147	97	40413	21.321	ug/l	99
51) Ethyl methacrylate	9.116	69	50515	21.290	ug/l	95
52) 1,3-Dichloropropane	9.305	76	68671	21.129	ug/l	99
53) Dibromochloromethane	9.519	129	40485	19.888	ug/l	99
54) 1,2-Dibromoethane	9.610	107	41933	20.174	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	142042	94.449	ug/l	98
56) Bromoform	10.799	173	27405	18.653	ug/l	97
58) 4-Methyl-2-Pentanone	8.568	43	365243	106.341	ug/l	99
59) 2-Hexanone	9.427	43	297719	105.601	ug/l	99
61) Tetrachloroethene	9.269	164	29336	19.921	ug/l	93
62) Toluene	8.714	91	167731	20.859	ug/l	98
64) Chlorobenzene	10.080	112	100851	20.618	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	35948	20.407	ug/l	99
66) Ethyl Benzene	10.189	91	191036	20.863	ug/l	99
67) m/p-Xylenes	10.299	106	139264	41.160	ug/l	100
68) o-Xylene	10.640	106	68059	20.766	ug/l	100
69) Styrene	10.653	104	99189	20.449	ug/l	100
70) Isopropylbenzene	10.957	105	183871	20.968	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	69875	21.345	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	60660m	21.898	ug/l	
73) Bromobenzene	11.195	156	40260	20.165	ug/l	96
74) n-propylbenzene	11.305	91	225392	20.979	ug/l	99
75) 2-Chlorotoluene	11.360	91	132168	20.968	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	155726	20.614	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	22370	20.380	ug/l	95
78) 4-Chlorotoluene	11.451	91	153184	20.670	ug/l	99
79) tert-butylbenzene	11.713	119	148710	20.702	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	157365	20.813	ug/l	98
81) sec-Butylbenzene	11.890	105	190836	21.015	ug/l	99
82) p-Isopropyltoluene	12.006	119	157085	20.410	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	78062	20.431	ug/l	99
84) 1,4-Dichlorobenzene	12.037	146	78649	20.062	ug/l	99
85) n-Butylbenzene	12.329	91	161134	21.200	ug/l	98
86) Hexachloroethane	12.536	117	29483	20.217	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	75431	20.531	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	16391	19.578	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	49875	20.475	ug/l	99
90) Hexachlorobutadiene	13.725	225	18855	21.678	ug/l	98
91) Naphthalene	13.774	128	177813	19.793	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	48034	20.358	ug/l	98

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

