

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030924\
 Data File : VX040628.D
 Acq On : 08 Mar 2024 15:30
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/11/2024
 Supervised By :Semsettin Yesilyurt 03/11/2024

Quant Time: Mar 08 23:53:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	15894	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	87434	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	83437	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	46177	29.090	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.967%		
60) 4-Bromofluorobenzene	11.079	95	44043	30.774	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.567%		
63) Toluene-d8	8.647	98	109463	29.686	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.967%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21970	20.380	ug/l	96
3) Chloromethane	1.295	50	21638	19.590	ug/l	99
4) Vinyl Chloride	1.374	62	23834	19.966	ug/l	99
5) Bromomethane	1.605	94	18424	25.271	ug/l	96
6) Chloroethane	1.685	64	14666	20.912	ug/l	98
7) Trichlorofluoromethane	1.886	101	36610	20.144	ug/l	95
8) Diethyl Ether	2.136	74	12221	19.805	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	20435	20.527	ug/l	94
10) 1,1-Dichloroethene	2.319	96	18402	19.415	ug/l	96
11) Methyl Iodide	2.453	142	17658	15.404	ug/l	91
12) Methyl Acetate	2.703	43	31402	20.113	ug/l	99
13) Acrolein	2.233	56	29227	99.298	ug/l	98
14) Acrylonitrile	3.062	53	60200	97.921	ug/l	98
15) Acetone	2.380	58	15678	89.216	ug/l	70
16) Carbon Disulfide	2.514	76	48146	18.483	ug/l	98
17) Allyl chloride	2.660	41	34539	19.747	ug/l	91
18) Methylene Chloride	2.788	84	20686	19.116	ug/l	99
19) trans-1,2-Dichloroethene	3.087	96	21119	20.409	ug/l	94
20) Diisopropyl ether	3.764	45	68932	19.706	ug/l #	91
21) 1,1-Dichloroethane	3.605	63	40479	20.110	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	23940	19.922	ug/l	94
23) tert-Butyl Alcohol	2.959	59	26125m	89.940	ug/l	
24) Methyl tert-Butyl Ether	3.117	73	69490	19.866	ug/l	94
25) Chloroform	5.093	83	43470	19.731	ug/l	99
26) Cyclohexane	5.471	56	32354	19.916	ug/l #	98
29) 1,1-Dichloropropene	5.690	75	31457	20.785	ug/l	98
30) 2-Butanone	4.556	43	89097	96.475	ug/l	99
31) 2,2-Dichloropropane	4.471	77	34073	20.860	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	38556	20.218	ug/l	97
33) Carbon Tetrachloride	5.672	117	33192	20.687	ug/l	96
34) Benzene	6.038	78	83183	20.360	ug/l	99
35) Methacrylonitrile	4.922	41	18278	19.279	ug/l	96
36) 1,2-Dichloroethane	6.092	62	39202	20.753	ug/l	96
37) Trichloroethene	7.129	130	22767	20.737	ug/l	95
38) Methylcyclohexane	7.379	83	34985	21.468	ug/l	98
39) 1,2-Dichloropropane	7.434	63	21740	20.899	ug/l	98
40) Dibromomethane	7.580	93	16694	20.428	ug/l	95
41) Bromodichloromethane	7.818	83	32855	20.209	ug/l #	99
42) Vinyl Acetate	3.721	43	319959	100.626	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	33553	19.291	ug/l	99
44) Isopropyl Acetate	6.342	43	55612	20.031	ug/l	95
45) 1,4-Dioxane	7.659	88	9558	334.915	ug/l	98
46) Methyl methacrylate	7.690	41	29082	21.090	ug/l	89
47) n-amyl Acetate	10.842	43	46960	19.626	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	33938	19.751	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	36209	20.686	ug/l	93
50) 1,1,2-Trichloroethane	9.153	97	22036	20.300	ug/l	97
51) Ethyl methacrylate	9.116	69	34882	20.411	ug/l	96
52) 1,3-Dichloropropane	9.305	76	38262	20.657	ug/l	99
53) Dibromochloromethane	9.519	129	24301	19.638	ug/l	98
54) 1,2-Dibromoethane	9.610	107	23965	19.952	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	94336	108.397	ug/l	99
56) Bromoform	10.799	173	16487	18.784	ug/l #	99
58) 4-Methyl-2-Pentanone	8.574	43	185444	99.812	ug/l	99
59) 2-Hexanone	9.427	43	147323	98.168	ug/l	97
61) Tetrachloroethene	9.275	164	20825	21.028	ug/l	95
62) Toluene	8.720	91	92630	20.157	ug/l	100
64) Chlorobenzene	10.080	112	56715	20.193	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	22101	20.630	ug/l	97
66) Ethyl Benzene	10.195	91	110110	20.781	ug/l	98
67) m/p-Xylenes	10.299	106	79342	40.551	ug/l	95
68) o-Xylene	10.640	106	37209	19.755	ug/l	95
69) Styrene	10.653	104	61919	19.566	ug/l	98
70) Isopropylbenzene	10.964	105	103848	20.405	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	36032	20.195	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	32313m	20.128	ug/l	
73) Bromobenzene	11.195	156	25374	21.060	ug/l	94
74) n-propylbenzene	11.305	91	130712	20.795	ug/l	100
75) 2-Chlorotoluene	11.366	91	79262	21.249	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	93557	20.880	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	9128	18.296	ug/l	71
78) 4-Chlorotoluene	11.451	91	93075	20.916	ug/l	96
79) tert-butylbenzene	11.713	119	85943	20.550	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	90421	20.482	ug/l	98
81) sec-Butylbenzene	11.890	105	114852	20.801	ug/l	99
82) p-Isopropyltoluene	12.006	119	93647	20.721	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	48191	20.556	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	48706	20.316	ug/l	99
85) n-Butylbenzene	12.335	91	88989	20.235	ug/l	99
86) Hexachloroethane	12.536	117	15740	19.959	ug/l	90
87) 1,2-Dichlorobenzene	12.335	146	46895	20.584	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	9502	19.917	ug/l	96
89) 1,2,4-Trichlorobenzene	13.585	180	28899	18.840	ug/l	100
90) Hexachlorobutadiene	13.725	225	11495	18.533	ug/l	96
91) Naphthalene	13.774	128	89667	17.921	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	26821	17.733	ug/l	99

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

