

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081324\
 Data File : VX043007.D
 Acq On : 13 Aug 2024 11:12
 Operator : JC/MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC050

Quant Time: Aug 13 13:13:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:10:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	30547	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	192471	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	172493	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	75926	27.638	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.133%		
60) 4-Bromofluorobenzene	11.079	95	87653	31.027	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	103.433%		
63) Toluene-d8	8.647	98	237242	30.333	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	86163	48.561	ug/l	99
3) Chloromethane	1.294	50	127781	69.118	ug/l	100
4) Vinyl Chloride	1.374	62	122326	64.762	ug/l	99
5) Bromomethane	1.599	94	31064	31.666	ug/l	99
6) Chloroethane	1.666	64	32273	33.504	ug/l	100
7) Trichlorofluoromethane	1.867	101	115226	43.175	ug/l	99
8) Diethyl Ether	2.136	74	54902	49.941	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	100380	52.074	ug/l	93
10) 1,1-Dichloroethene	2.306	96	105129	55.672	ug/l	97
11) Methyl Iodide	2.447	142	121240	66.005	ug/l	89
12) Methyl Acetate	2.709	43	193011	49.932	ug/l	96
13) Acrolein	2.239	56	157414	738.033	ug/l	92
14) Acrylonitrile	3.068	53	368640	293.313	ug/l	98
15) Acetone	2.392	58	98306	244.259	ug/l	79
16) Carbon Disulfide	2.501	76	308246	72.675	ug/l	100
17) Allyl chloride	2.660	41	210743	66.387	ug/l	93
18) Methylene Chloride	2.788	84	121747	55.439	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	111161	58.365	ug/l	96
20) Diisopropyl ether	3.763	45	415184	61.335	ug/l	98
21) 1,1-Dichloroethane	3.605	63	215879	57.381	ug/l	97
22) cis-1,2-Dichloroethene	4.483	96	134674	56.114	ug/l	99
23) tert-Butyl Alcohol	2.995	59	160160	277.473	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	374615	55.483	ug/l	99
25) Chloroform	5.092	83	203768	51.498	ug/l	96
26) Cyclohexane	5.464	56	197330	63.728	ug/l #	96
29) 1,1-Dichloropropene	5.690	75	143210	55.948	ug/l	100
30) 2-Butanone	4.562	43	521266	276.893	ug/l	99
31) 2,2-Dichloropropane	4.471	77	177291	58.380	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	172836	50.159	ug/l	98
33) Carbon Tetrachloride	5.672	117	143836	49.411	ug/l	99
34) Benzene	6.037	78	478535	57.814	ug/l	98
35) Methacrylonitrile	4.922	41	107562	59.486	ug/l	97
36) 1,2-Dichloroethane	6.086	62	147926m	50.549	ug/l	
37) Trichloroethene	7.123	130	107578	52.687	ug/l	97
38) Methylcyclohexane	7.379	83	197664	60.578	ug/l	96
39) 1,2-Dichloropropane	7.427	63	117140	55.867	ug/l	96
40) Dibromomethane	7.580	93	80221	52.192	ug/l	94
41) Bromodichloromethane	7.824	83	158755	51.972	ug/l	97
42) Vinyl Acetate	3.721	43	2447086	392.072	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	198327	61.633	ug/l	98
44) Isopropyl Acetate	6.342	43	325091	62.021	ug/l	96
45) 1,4-Dioxane	7.665	88	62026	1157.393	ug/l	96
46) Methyl methacrylate	7.696	41	151903	59.533	ug/l	95
47) n-amyl Acetate	10.841	43	289782	63.967	ug/l	95
48) t-1,3-Dichloropropene	8.976	75	177186	58.691	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	193467	58.979	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	110336	52.534	ug/l	97
51) Ethyl methacrylate	9.116	69	208515	58.257	ug/l	98
52) 1,3-Dichloropropane	9.305	76	192258	54.891	ug/l	99
53) Dibromochloromethane	9.518	129	118883	49.137	ug/l	98
54) 1,2-Dibromoethane	9.610	107	114843	52.503	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	492286	297.212	ug/l	99
56) Bromoform	10.799	173	82850	47.953	ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	991218	292.882	ug/l	99
59) 2-Hexanone	9.433	43	772854	288.072	ug/l	99
61) Tetrachloroethene	9.275	164	90394	52.440	ug/l	97
62) Toluene	8.720	91	481873	55.345	ug/l	97
64) Chlorobenzene	10.079	112	295782	53.697	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	100763	51.236	ug/l	98
66) Ethyl Benzene	10.195	91	523856	54.443	ug/l	95
67) m/p-Xylenes	10.299	106	392325	107.864	ug/l	98
68) o-Xylene	10.640	106	198847	55.308	ug/l	100
69) Styrene	10.652	104	337775	54.780	ug/l	99
70) Isopropylbenzene	10.963	105	499690	53.516	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	182195	53.826	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	153657m	50.413	ug/l	
73) Bromobenzene	11.195	156	112225	48.109	ug/l	86
74) n-propylbenzene	11.305	91	595129	54.555	ug/l	98
75) 2-Chlorotoluene	11.366	91	362066	53.963	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	403684	51.052	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	71688	67.319	ug/l	92
78) 4-Chlorotoluene	11.451	91	398674	52.306	ug/l	98
79) tert-butylbenzene	11.713	119	410943	50.769	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	411002	52.471	ug/l	99
81) sec-Butylbenzene	11.890	105	519259	52.457	ug/l	100
82) p-Isopropyltoluene	12.006	119	422644	51.249	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	209949	49.162	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	207720	48.396	ug/l	97
85) n-Butylbenzene	12.329	91	381091	51.651	ug/l	98
86) Hexachloroethane	12.536	117	87030	56.527	ug/l	87
87) 1,2-Dichlorobenzene	12.335	146	208657	48.706	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.939	75	41649	54.115	ug/l	97
89) 1,2,4-Trichlorobenzene	13.585	180	122987	45.362	ug/l	97
90) Hexachlorobutadiene	13.725	225	45204	39.375	ug/l	95
91) Naphthalene	13.774	128	482256	50.962	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	126184	46.030	ug/l	99

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

