

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081324\
 Data File : VX043008.D
 Acq On : 13 Aug 2024 11:35
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 13 13:13:33 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	4.904	128	29858	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	183365	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	164825	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	73668	27.434	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	91.433%
60) 4-Bromofluorobenzene	11.079	95	87995	32.597	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	108.667%
63) Toluene-d8	8.647	98	227858	30.489	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.633%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	173538	100.063	ug/l	99
3) Chloromethane	1.294	50	258532	143.069	ug/l	100
4) Vinyl Chloride	1.374	62	247662	134.143	ug/l	98
5) Bromomethane	1.599	94	65124	67.917	ug/l	96
6) Chloroethane	1.666	64	61990	65.840	ug/l	98
7) Trichlorofluoromethane	1.868	101	221942	85.081	ug/l	99
8) Diethyl Ether	2.136	74	105670	98.339	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	199861	106.074	ug/l	94
10) 1,1-Dichloroethene	2.306	96	203397	110.197	ug/l	98
11) Methyl Iodide	2.441	142	242732	135.196	ug/l	89
12) Methyl Acetate	2.709	43	376807	99.730	ug/l	97
13) Acrolein	2.239	56	305301	1464.429	ug/l	92
14) Acrylonitrile	3.069	53	721399	587.235	ug/l	99
15) Acetone	2.392	58	186930	475.179	ug/l	81
16) Carbon Disulfide	2.502	76	619415	149.409	ug/l	99
17) Allyl chloride	2.660	41	393602	126.852	ug/l	91
18) Methylene Chloride	2.788	84	240181	111.893	ug/l	95
19) trans-1,2-Dichloroethene	3.087	96	220375	118.378	ug/l	99
20) Diisopropyl ether	3.770	45	786787	118.913	ug/l	87
21) 1,1-Dichloroethane	3.605	63	425742	115.774	ug/l	97
22) cis-1,2-Dichloroethene	4.483	96	265961	113.374	ug/l	99
23) tert-Butyl Alcohol	3.008	59	313472	555.614	ug/l	100
24) Methyl tert-Butyl Ether	3.117	73	739523	112.056	ug/l	99
25) Chloroform	5.093	83	406076	104.995	ug/l	94
26) Cyclohexane	5.464	56	393950	130.163	ug/l #	96
29) 1,1-Dichloropropene	5.684	75	292191	119.818	ug/l	98
30) 2-Butanone	4.568	43	1015708	566.331	ug/l	99
31) 2,2-Dichloropropane	4.471	77	353944	122.339	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	345916	105.375	ug/l	98
33) Carbon Tetrachloride	5.672	117	287398	103.630	ug/l	97
34) Benzene	6.031	78	951685	120.687	ug/l	99
35) Methacrylonitrile	4.922	41	215470	125.080	ug/l	99
36) 1,2-Dichloroethane	6.086	62	298667	107.128	ug/l #	95
37) Trichloroethene	7.123	130	215432	110.750	ug/l	99
38) Methylcyclohexane	7.379	83	396047	127.403	ug/l	97
39) 1,2-Dichloropropane	7.428	63	240022	120.157	ug/l	96
40) Dibromomethane	7.580	93	158426	108.192	ug/l	95
41) Bromodichloromethane	7.818	83	319817	109.898	ug/l	99
42) Vinyl Acetate	3.721	43	4520441	760.232	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	401290	130.900	ug/l	98
44) Isopropyl Acetate	6.342	43	650453	130.256	ug/l	96
45) 1,4-Dioxane	7.665	88	124679	2442.021	ug/l	99
46) Methyl methacrylate	7.696	41	304352	125.202	ug/l	96
47) n-amyl Acetate	10.842	43	582074	134.870	ug/l	96
48) t-1,3-Dichloropropene	8.976	75	360945	125.497	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	388262	124.241	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	218441	109.170	ug/l	99
51) Ethyl methacrylate	9.116	69	421474	123.603	ug/l	97
52) 1,3-Dichloropropane	9.305	76	384135	115.120	ug/l	99
53) Dibromochloromethane	9.519	129	242084	105.029	ug/l	100
54) 1,2-Dibromoethane	9.610	107	225611	108.266	ug/l	98
55) 2-Chloroethyl vinyl ether	8.244	63	931969	590.608	ug/l	99
56) Bromoform	10.799	173	170159	103.378	ug/l	97
58) 4-Methyl-2-Pentanone	8.580	43	1900456	587.664	ug/l	98
59) 2-Hexanone	9.433	43	1491412	581.767	ug/l	99
61) Tetrachloroethene	9.275	164	171742	104.267	ug/l	94
62) Toluene	8.720	91	953203	114.572	ug/l	97
64) Chlorobenzene	10.079	112	588618	111.831	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	200834	106.870	ug/l	98
66) Ethyl Benzene	10.195	91	1039513	113.061	ug/l	95
67) m/p-Xylenes	10.299	106	770429	221.673	ug/l	97
68) o-Xylene	10.640	106	388654	113.131	ug/l	100
69) Styrene	10.653	104	659880	111.998	ug/l	99
70) Isopropylbenzene	10.963	105	974483	109.221	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	363419	112.360	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	306611m	105.276	ug/l	
73) Bromobenzene	11.195	156	229006	102.738	ug/l	87
74) n-propylbenzene	11.305	91	1182363	113.428	ug/l	99
75) 2-Chlorotoluene	11.366	91	716875	111.815	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	793037	104.957	ug/l	97
77) t-1,4-Dichloro-2-butene	11.018	75	149019	146.447	ug/l	93
78) 4-Chlorotoluene	11.451	91	789650	108.421	ug/l	98
79) tert-butylbenzene	11.713	119	810013	104.726	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	818161	109.311	ug/l	98
81) sec-Butylbenzene	11.890	105	1042276	110.192	ug/l	100
82) p-Isopropyltoluene	12.006	119	850635	107.944	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	428049	104.895	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	422330	102.974	ug/l	97
85) n-Butylbenzene	12.329	91	782706	111.019	ug/l	97
86) Hexachloroethane	12.536	117	178710	121.474	ug/l	87
87) 1,2-Dichlorobenzene	12.335	146	413432	100.995	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.939	75	87792	119.376	ug/l	93
89) 1,2,4-Trichlorobenzene	13.585	180	260787	100.662	ug/l	96
90) Hexachlorobutadiene	13.725	225	95085	86.678	ug/l	96
91) Naphthalene	13.774	128	999398	110.524	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	263929	100.756	ug/l	97

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

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