

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
 Data File : VX041867.D
 Acq On : 14 Jun 2024 09:14
 Operator : JC/MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0020

Quant Time: Jun 14 09:40:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	28213	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	161594	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	153969	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	58900	26.511	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	88.367%#
60) 4-Bromofluorobenzene	11.079	95	72514	30.169	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.567%
63) Toluene-d8	8.647	98	190948	28.931	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.433%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	27187	18.424	ug/l	98
3) Chloromethane	1.300	50	32738	20.260	ug/l	100
4) Vinyl Chloride	1.374	62	33132	19.474	ug/l	97
5) Bromomethane	1.599	94	18223	16.840	ug/l	97
6) Chloroethane	1.666	64	17911	20.823	ug/l	98
7) Trichlorofluoromethane	1.867	101	50622	19.603	ug/l	97
8) Diethyl Ether	2.136	74	20938	21.712	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	33460	22.344	ug/l	96
10) 1,1-Dichloroethene	2.306	96	31270	21.663	ug/l	97
11) Methyl Iodide	2.447	142	40335	23.461	ug/l	95
12) Methyl Acetate	2.709	43	59735	27.478	ug/l	98
13) Acrolein	2.239	56	17724	66.970	ug/l	99
14) Acrylonitrile	3.068	53	105203	110.069	ug/l	95
15) Acetone	2.386	58	32916	128.534	ug/l	88
16) Carbon Disulfide	2.502	76	53637	16.458	ug/l	99
17) Allyl chloride	2.654	41	51920	20.269	ug/l	89
18) Methylene Chloride	2.782	84	37841	22.042	ug/l	93
19) trans-1,2-Dichloroethene	3.081	96	31944	19.299	ug/l	91
20) Diisopropyl ether	3.763	45	110887	20.603	ug/l	90
21) 1,1-Dichloroethane	3.605	63	61282	20.288	ug/l	98
22) cis-1,2-Dichloroethene	4.483	96	41346	20.557	ug/l	93
23) tert-Butyl Alcohol	2.989	59	37021	91.273	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	108002	20.041	ug/l	93
25) Chloroform	5.086	83	63568	19.754	ug/l	98
26) Cyclohexane	5.464	56	47589	18.893	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	40618	19.002	ug/l	98
30) 2-Butanone	4.562	43	146007	102.906	ug/l	98
31) 2,2-Dichloropropane	4.471	77	47906	19.096	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	52171	18.189	ug/l	96
33) Carbon Tetrachloride	5.672	117	44146	17.989	ug/l	97
34) Benzene	6.031	78	138346	20.493	ug/l	99
35) Methacrylonitrile	4.922	41	28853	20.159	ug/l	94
36) 1,2-Dichloroethane	6.080	62	44829	17.795	ug/l	95
37) Trichloroethene	7.123	130	37133	19.742	ug/l	93
38) Methylcyclohexane	7.373	83	52454	19.326	ug/l	98
39) 1,2-Dichloropropane	7.427	63	34026	21.322	ug/l	99
40) Dibromomethane	7.580	93	24440	19.459	ug/l	96
41) Bromodichloromethane	7.818	83	44502	18.873	ug/l	96
42) Vinyl Acetate	3.721	43	448090	91.025	ug/l	98

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDCCC020

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	48004	17.535	ug/l	97
44) Isopropyl Acetate	6.342	43	79522	19.216	ug/l	96
45) 1,4-Dioxane	7.665	88	15398	329.932	ug/l #	71
46) Methyl methacrylate	7.696	41	38636	18.764	ug/l	88
47) n-amyl Acetate	10.841	43	71008	18.922	ug/l	96
48) t-1,3-Dichloropropene	8.976	75	44347	18.728	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	51292	19.998	ug/l #	89
50) 1,1,2-Trichloroethane	9.153	97	38154	21.838	ug/l	93
51) Ethyl methacrylate	9.116	69	57387	20.406	ug/l	85
52) 1,3-Dichloropropane	9.305	76	60978	21.121	ug/l	100
53) Dibromochloromethane	9.519	129	39913	20.077	ug/l	97
54) 1,2-Dibromoethane	9.610	107	39021	21.061	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	154752	112.737	ug/l	99
56) Bromoform	10.799	173	31856	20.001	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	281197	99.955	ug/l	95
59) 2-Hexanone	9.433	43	219124	97.773	ug/l	94
61) Tetrachloroethene	9.269	164	38219	20.289	ug/l	94
62) Toluene	8.714	91	153302	20.010	ug/l	100
64) Chlorobenzene	10.079	112	106636	20.492	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	37195	20.194	ug/l	99
66) Ethyl Benzene	10.195	91	168914	19.855	ug/l	100
67) m/p-Xylenes	10.299	106	135669	40.782	ug/l	99
68) o-Xylene	10.640	106	68098	20.336	ug/l	97
69) Styrene	10.652	104	114327	20.362	ug/l	98
70) Isopropylbenzene	10.963	105	175404	20.729	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	61276	21.080	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	64338	24.543	ug/l	91
73) Bromobenzene	11.195	156	51147	20.572	ug/l	97
74) n-propylbenzene	11.305	91	193008	20.229	ug/l	99
75) 2-Chlorotoluene	11.360	91	122047	20.369	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	146842	20.331	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	16642	20.198	ug/l	81
78) 4-Chlorotoluene	11.451	91	135771	19.895	ug/l	97
79) tert-butylbenzene	11.713	119	155958	20.289	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	146484	20.235	ug/l	97
81) sec-Butylbenzene	11.890	105	185144	20.612	ug/l	99
82) p-Isopropyltoluene	12.006	119	161290	20.513	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	91728	20.571	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	91412	20.289	ug/l	99
85) n-Butylbenzene	12.335	91	123562	19.529	ug/l	99
86) Hexachloroethane	12.536	117	25298	19.110	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	93508	20.546	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	11730	18.375	ug/l	89
89) 1,2,4-Trichlorobenzene	13.585	180	62140	20.320	ug/l	99
90) Hexachlorobutadiene	13.725	225	31528	21.133	ug/l	97
91) Naphthalene	13.774	128	186313	20.384	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	65052	20.821	ug/l	100

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

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