

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081324\
 Data File : VX043020.D
 Acq On : 13 Aug 2024 17:28
 Operator : JC/MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0020EC

Quant Time: Aug 14 04:35:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:22:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.898	128	27179	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	162876	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	146865	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	59305	26.956	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	89.867%#
60) 4-Bromofluorobenzene	11.079	95	70505	28.279	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.267%
63) Toluene-d8	8.647	98	201749	29.904	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.667%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	31293	20.202	ug/l	99
3) Chloromethane	1.301	50	45071	19.344	ug/l	98
4) Vinyl Chloride	1.374	62	44375	20.294	ug/l	98
5) Bromomethane	1.593	94	11730	20.610	ug/l	99
6) Chloroethane	1.666	64	15999	27.714	ug/l	100
7) Trichlorofluoromethane	1.874	101	48662	23.762	ug/l	98
8) Diethyl Ether	2.136	74	20263	20.835	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	34774	19.196	ug/l	96
10) 1,1-Dichloroethene	2.307	96	35622	19.020	ug/l	98
11) Methyl Iodide	2.441	142	36394	17.537	ug/l	93
12) Methyl Acetate	2.709	43	66456	19.642	ug/l	100
13) Acrolein	2.240	56	45818	82.330	ug/l	89
14) Acrylonitrile	3.069	53	127325	98.749	ug/l	97
15) Acetone	2.392	58	34229	95.501	ug/l	79
16) Carbon Disulfide	2.502	76	101937	18.415	ug/l	99
17) Allyl chloride	2.654	41	70957	19.270	ug/l	90
18) Methylene Chloride	2.782	84	41459	19.118	ug/l	95
19) trans-1,2-Dichloroethene	3.081	96	37459	19.040	ug/l	99
20) Diisopropyl ether	3.764	45	140967	19.586	ug/l	99
21) 1,1-Dichloroethane	3.605	63	71134	18.495	ug/l	97
22) cis-1,2-Dichloroethene	4.489	96	45683	19.380	ug/l	96
23) tert-Butyl Alcohol	2.989	59	58336	104.283	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	121941	18.446	ug/l	99
25) Chloroform	5.093	83	66439	18.566	ug/l	95
26) Cyclohexane	5.465	56	66240	18.750	ug/l #	95
29) 1,1-Dichloropropene	5.684	75	47097	18.800	ug/l	99
30) 2-Butanone	4.562	43	175334	97.888	ug/l	100
31) 2,2-Dichloropropane	4.471	77	57178	18.411	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	57279	18.993	ug/l	98
33) Carbon Tetrachloride	5.672	117	48210	19.543	ug/l	98
34) Benzene	6.032	78	159118	19.189	ug/l	99
35) Methacrylonitrile	4.916	41	36392	19.490	ug/l	97
36) 1,2-Dichloroethane	6.080	62	47334	18.501	ug/l #	93
37) Trichloroethene	7.123	130	36715	19.675	ug/l	98
38) Methylcyclohexane	7.373	83	68583	19.983	ug/l	99
39) 1,2-Dichloropropane	7.428	63	40095	19.507	ug/l	97
40) Dibromomethane	7.580	93	25846	18.691	ug/l	96
41) Bromodichloromethane	7.818	83	52830	19.143	ug/l	99
42) Vinyl Acetate	3.721	43	833096	102.373	ug/l	97

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 Acq On : 13 Aug 2024 17:28
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	68034	19.858	ug/l	97
44) Isopropyl Acetate	6.342	43	109653	19.645	ug/l	96
45) 1,4-Dioxane	7.665	88	18350	340.557	ug/l	97
46) Methyl methacrylate	7.696	41	49114	18.628	ug/l	95
47) n-amyl Acetate	10.842	43	96702	19.623	ug/l	96
48) t-1,3-Dichloropropene	8.976	75	57248	18.695	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	64260	19.228	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	37453	19.659	ug/l	97
51) Ethyl methacrylate	9.116	69	69718	19.270	ug/l	97
52) 1,3-Dichloropropane	9.305	76	65322	19.542	ug/l	100
53) Dibromochloromethane	9.519	129	40526	19.586	ug/l	99
54) 1,2-Dibromoethane	9.610	107	39194	19.823	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	145752	87.929	ug/l	99
56) Bromoform	10.799	173	27505	19.028	ug/l	95
58) 4-Methyl-2-Pentanone	8.574	43	349904	103.025	ug/l	99
59) 2-Hexanone	9.427	43	269496	101.634	ug/l	98
61) Tetrachloroethene	9.269	164	31071	20.057	ug/l	99
62) Toluene	8.714	91	167111	19.919	ug/l	98
64) Chlorobenzene	10.080	112	101618	19.752	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	34213	19.581	ug/l	96
66) Ethyl Benzene	10.195	91	182358	20.002	ug/l	96
67) m/p-Xylenes	10.299	106	139399	40.885	ug/l	96
68) o-Xylene	10.640	106	70327	20.392	ug/l	94
69) Styrene	10.653	104	115178	20.042	ug/l	98
70) Isopropylbenzene	10.964	105	175318	20.492	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.214	83	64726	20.420	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	50773m	18.716	ug/l	
73) Bromobenzene	11.195	156	39834	20.271	ug/l	94
74) n-propylbenzene	11.305	91	203929	20.198	ug/l	99
75) 2-Chlorotoluene	11.366	91	123591	19.790	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	141409	20.265	ug/l	96
77) t-1,4-Dichloro-2-butene	11.018	75	21919	17.308	ug/l	92
78) 4-Chlorotoluene	11.451	91	135791	20.027	ug/l	100
79) tert-butylbenzene	11.713	119	146967	20.678	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	142437	20.022	ug/l	97
81) sec-Butylbenzene	11.890	105	183604	20.451	ug/l	100
82) p-Isopropyltoluene	12.006	119	148539	20.446	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	74949	20.700	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	72169	19.906	ug/l	98
85) n-Butylbenzene	12.329	91	127458	19.705	ug/l	98
86) Hexachloroethane	12.536	117	28768	18.933	ug/l	88
87) 1,2-Dichlorobenzene	12.335	146	73521	20.419	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.945	75	13065	17.732	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	41859	19.646	ug/l	98
90) Hexachlorobutadiene	13.725	225	15881	19.996	ug/l	97
91) Naphthalene	13.774	128	162190	19.479	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	41955	19.304	ug/l	97

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

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