

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
 Data File : VX031806.D
 Acq On : 30 Sep 2022 11:25
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 03 00:34:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X093022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 03 00:33:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	20808	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	116697	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	106680	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	51029	32.583	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 108.600%	
60) 4-Bromofluorobenzene	11.079	95	58374	29.559	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 98.533%	
63) Toluene-d8	8.647	98	167189	30.849	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.833%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	5018	5.783	ug/l	100
3) Chloromethane	1.288	50	5437	5.980	ug/l	92
4) Vinyl Chloride	1.368	62	7062	5.791	ug/l	98
5) Bromomethane	1.611	94	7118	6.379	ug/l	92
6) Chloroethane	1.685	64	5977	5.558	ug/l	99
7) Trichlorofluoromethane	1.886	101	14836	5.693	ug/l	94
8) Diethyl Ether	2.130	74	4954	5.610	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	6825	5.518	ug/l	97
10) 1,1-Dichloroethene	2.319	96	6384	5.588	ug/l	95
11) Methyl Iodide	2.447	142	5460	4.366	ug/l	98
12) Methyl Acetate	2.703	43	7680	5.884	ug/l	97
13) Acrolein	2.239	56	4584	39.650	ug/l	99
14) Acrylonitrile	3.062	53	15183	27.406	ug/l	97
15) Acetone	2.386	58	4399	29.312	ug/l	93
16) Carbon Disulfide	2.508	76	14030	5.598	ug/l	97
17) Allyl chloride	2.660	41	7424	5.369	ug/l	97
18) Methylene Chloride	2.782	84	7484	5.724	ug/l	93
19) trans-1,2-Dichloroethene	3.087	96	6982	5.278	ug/l #	81
20) Diisopropyl ether	3.764	45	17215	5.417	ug/l	89
21) 1,1-Dichloroethane	3.605	63	11490	5.542	ug/l	97
22) cis-1,2-Dichloroethene	4.483	96	8657	5.417	ug/l	95
23) tert-Butyl Alcohol	2.989	59	5624	27.255	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	21068	5.366	ug/l	100
25) Chloroform	5.093	83	13767	5.408	ug/l	97
26) Cyclohexane	5.464	56	9066	5.301	ug/l #	96
29) 1,1-Dichloropropene	5.690	75	9596	5.305	ug/l #	75
30) 2-Butanone	4.562	43	19864	26.977	ug/l #	97
31) 2,2-Dichloropropane	4.477	77	8665	4.784	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	12050	5.032	ug/l #	85
33) Carbon Tetrachloride	5.672	117	10483	4.775	ug/l	96
34) Benzene	6.037	78	27813	5.196	ug/l	98
35) Methacrylonitrile	4.928	41	3867	5.026	ug/l	90
36) 1,2-Dichloroethane	6.086	62	10149	5.381	ug/l #	92
37) Trichloroethene	7.123	130	9054	5.184	ug/l	94
38) Methylcyclohexane	7.385	83	11584	5.231	ug/l	97
39) 1,2-Dichloropropane	7.434	63	6443	5.266	ug/l	90
40) Dibromomethane	7.580	93	5485	5.125	ug/l	99
41) Bromodichloromethane	7.818	83	9351	4.818	ug/l	98
42) Vinyl Acetate	3.721	43	65310	24.596	ug/l	99

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 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Oct 03 00:34:52 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	7912	5.348	ug/l	99
44) Isopropyl Acetate	6.342	43	11206	4.765	ug/l	95
45) 1,4-Dioxane	7.702	88	3456	102.705	ug/l	96
46) Methyl methacrylate	7.690	41	5150	4.692	ug/l	95
47) n-amyl Acetate	10.848	43	8352	4.136	ug/l	95
48) t-1,3-Dichloropropene	8.976	75	7973	4.167	ug/l	89
49) cis-1,3-Dichloropropene	8.366	75	9469	4.511	ug/l	93
50) 1,1,2-Trichloroethane	9.153	97	7682	4.956	ug/l	94
51) Ethyl methacrylate	9.116	69	9303	4.630	ug/l	96
52) 1,3-Dichloropropane	9.311	76	12014	5.058	ug/l	100
53) Dibromochloromethane	9.519	129	7119	4.124	ug/l	99
54) 1,2-Dibromoethane	9.610	107	8455	4.924	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	24849	25.221	ug/l	99
56) Bromoform	10.799	173	4463	3.528	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	37473	26.128	ug/l	99
59) 2-Hexanone	9.433	43	28313	26.395	ug/l	98
61) Tetrachloroethene	9.275	164	8639	5.043	ug/l	99
62) Toluene	8.720	91	33092	5.418	ug/l	98
64) Chlorobenzene	10.079	112	22061	5.294	ug/l	94
65) 1,1,1,2-Tetrachloroethane	10.165	131	7495	4.744	ug/l	97
66) Ethyl Benzene	10.195	91	36025	5.233	ug/l	98
67) m/p-Xylenes	10.299	106	28827	10.057	ug/l	99
68) o-Xylene	10.640	106	14074	5.001	ug/l	98
69) Styrene	10.659	104	21421	4.686	ug/l	98
70) Isopropylbenzene	10.963	105	36237	4.955	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	10751	5.157	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	9178m	5.124	ug/l	
73) Bromobenzene	11.195	156	9137	4.658	ug/l	96
74) n-propylbenzene	11.305	91	39878	4.960	ug/l	98
75) 2-Chlorotoluene	11.366	91	25235	5.221	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	30140	4.889	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	1967	3.757	ug/l	70
78) 4-Chlorotoluene	11.457	91	28048	5.090	ug/l	100
79) tert-butylbenzene	11.713	119	29084	4.693	ug/l	95
80) 1,2,4-Trimethylbenzene	11.750	105	29150	4.768	ug/l	97
81) sec-Butylbenzene	11.890	105	37861	4.989	ug/l	98
82) p-Isopropyltoluene	12.012	119	31612	4.739	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	17356	4.676	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	18084	4.751	ug/l	99
85) n-Butylbenzene	12.335	91	24672	4.797	ug/l	98
86) Hexachloroethane	12.536	117	4296	4.103	ug/l	94
87) 1,2-Dichlorobenzene	12.335	146	18069	4.879	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	1815	4.339	ug/l	92
89) 1,2,4-Trichlorobenzene	13.591	180	11164	4.659	ug/l	96
90) Hexachlorobutadiene	13.725	225	4899	5.089	ug/l	93
91) Naphthalene	13.780	128	35596	4.643	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	10847	4.571	ug/l	96

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

