

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041550.D
 Acq On : 16 May 2024 09:09
 Operator : JC/MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0020

Quant Time: May 17 02:30:54 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	4.897	128	30511	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.756	114	175562	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	163841	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	75025	31.225	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 104.100%	
60) 4-Bromofluorobenzene	11.079	95	79034	30.901	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 103.000%	
63) Toluene-d8	8.646	98	212684	30.283	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.933%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	32204	20.180	ug/l	98
3) Chloromethane	1.300	50	32885	18.818	ug/l	99
4) Vinyl Chloride	1.373	62	31908	17.342	ug/l	97
5) Bromomethane	1.599	94	21286	18.189	ug/l	96
6) Chloroethane	1.666	64	17990	19.339	ug/l	97
7) Trichlorofluoromethane	1.867	101	60145	21.536	ug/l	98
8) Diethyl Ether	2.135	74	20112	19.284	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.318	101	34914	21.559	ug/l	100
10) 1,1-Dichloroethene	2.306	96	31826	20.388	ug/l	91
11) Methyl Iodide	2.446	142	40554	21.812	ug/l	99
12) Methyl Acetate	2.708	43	46476	19.769	ug/l	95
13) Acrolein	2.239	56	27957	97.680	ug/l	97
14) Acrylonitrile	3.068	53	97860	94.675	ug/l	99
15) Acetone	2.391	58	33453	120.792	ug/l	96
16) Carbon Disulfide	2.501	76	67309	19.097	ug/l	99
17) Allyl chloride	2.660	41	54634	19.722	ug/l	97
18) Methylene Chloride	2.788	84	36985	19.921	ug/l	98
19) trans-1,2-Dichloroethene	3.086	96	33427	18.674	ug/l	98
20) Diisopropyl ether	3.763	45	111958	19.235	ug/l	96
21) 1,1-Dichloroethane	3.605	63	62389	19.099	ug/l	99
22) cis-1,2-Dichloroethene	4.482	96	40939	18.821	ug/l	98
23) tert-Butyl Alcohol	3.001	59	40720	92.831	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	110025	18.879	ug/l	99
25) Chloroform	5.086	83	66659	19.155	ug/l	97
26) Cyclohexane	5.464	56	52230	19.173	ug/l #	99
29) 1,1-Dichloropropene	5.683	75	43964	18.931	ug/l	100
30) 2-Butanone	4.562	43	153432	99.536	ug/l	99
31) 2,2-Dichloropropane	4.470	77	51340	18.836	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	57456	18.438	ug/l	99
33) Carbon Tetrachloride	5.665	117	49698	18.640	ug/l	92
34) Benzene	6.037	78	139597	19.033	ug/l	99
35) Methacrylonitrile	4.928	41	29320	18.856	ug/l	92
36) 1,2-Dichloroethane	6.086	62	52783	19.285	ug/l	98
37) Trichloroethene	7.122	130	37972	18.582	ug/l	99
38) Methylcyclohexane	7.378	83	54718	18.556	ug/l	98
39) 1,2-Dichloropropane	7.427	63	33065	19.071	ug/l	100
40) Dibromomethane	7.579	93	25515	18.699	ug/l	98
41) Bromodichloromethane	7.823	83	46912	18.313	ug/l	96
42) Vinyl Acetate	3.720	43	504399	94.311	ug/l	100

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: May 17 02:30:54 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	55725	18.736	ug/l	99
44) Isopropyl Acetate	6.342	43	82104	18.262	ug/l	99
45) 1,4-Dioxane	7.665	88	19332m	381.269	ug/l	
46) Methyl methacrylate	7.695	41	41263	18.446	ug/l	99
47) n-amyl Acetate	10.841	43	74869	18.363	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	45386	17.642	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	50682	18.188	ug/l	99
50) 1,1,2-Trichloroethane	9.152	97	35207	18.548	ug/l	96
51) Ethyl methacrylate	9.116	69	54891	17.966	ug/l	99
52) 1,3-Dichloropropane	9.305	76	58705	18.716	ug/l	99
53) Dibromochloromethane	9.518	129	39949	18.497	ug/l	97
54) 1,2-Dibromoethane	9.610	107	38605	19.179	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	145812	97.773	ug/l	99
56) Bromoform	10.798	173	31068	17.955	ug/l	99
58) 4-Methyl-2-Pentanone	8.573	43	291021	97.214	ug/l	99
59) 2-Hexanone	9.433	43	230076	96.474	ug/l	100
61) Tetrachloroethene	9.268	164	37786	18.850	ug/l	97
62) Toluene	8.713	91	154126	18.905	ug/l	99
64) Chlorobenzene	10.079	112	105021	18.965	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.164	131	36486	18.615	ug/l	98
66) Ethyl Benzene	10.195	91	169239	18.695	ug/l	99
67) m/p-Xylenes	10.299	106	137072	38.721	ug/l	99
68) o-Xylene	10.640	106	67423	18.921	ug/l	98
69) Styrene	10.652	104	111468	18.657	ug/l	99
70) Isopropylbenzene	10.963	105	174011	19.326	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	58945	19.057	ug/l	100
72) 1,2,3-Trichloropropane	11.237	75	54717m	19.615	ug/l	
73) Bromobenzene	11.201	156	49842	18.839	ug/l	98
74) n-propylbenzene	11.304	91	194796	19.186	ug/l	100
75) 2-Chlorotoluene	11.365	91	121420	19.044	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	145620	18.947	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	15626	17.822	ug/l	91
78) 4-Chlorotoluene	11.457	91	137801	18.976	ug/l	100
79) tert-butylbenzene	11.713	119	154123	18.842	ug/l	99
80) 1,2,4-Trimethylbenzene	11.749	105	145866	18.935	ug/l	99
81) sec-Butylbenzene	11.890	105	182111	19.053	ug/l	100
82) p-Isopropyltoluene	12.006	119	159529	19.066	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	89562	18.875	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	90212	18.816	ug/l	99
85) n-Butylbenzene	12.329	91	124554	18.499	ug/l	100
86) Hexachloroethane	12.536	117	25204	17.892	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	90546	18.696	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.938	75	12275	18.070	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	60683	18.648	ug/l	99
90) Hexachlorobutadiene	13.725	225	30007	18.901	ug/l	96
91) Naphthalene	13.774	128	180483	18.557	ug/l	99
92) 1,2,3-Trichlorobenzene	13.962	180	63324	19.047	ug/l	99

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

