

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041575.D
 Acq On : 16 May 2024 19:41
 Operator : JC/MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0020EC

Quant Time: May 17 02:44:01 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	28577	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	150881	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	140788	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	63435	28.188	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.967%		
60) 4-Bromofluorobenzene	11.079	95	67476	30.702	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.333%		
63) Toluene-d8	8.647	98	183487	30.404	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.333%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28944	19.364	ug/l	94
3) Chloromethane	1.294	50	28402	17.352	ug/l	98
4) Vinyl Chloride	1.374	62	29670	17.217	ug/l	94
5) Bromomethane	1.599	94	18532	16.908	ug/l	100
6) Chloroethane	1.666	64	23019m	26.420	ug/l	
7) Trichlorofluoromethane	1.874	101	53235	20.352	ug/l	99
8) Diethyl Ether	2.136	74	20483	20.969	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.325	101	30025	19.794	ug/l	97
10) 1,1-Dichloroethene	2.313	96	29334	20.063	ug/l	99
11) Methyl Iodide	2.447	142	33873	19.452	ug/l	98
12) Methyl Acetate	2.709	43	49000	22.253	ug/l	96
13) Acrolein	2.239	56	19499	72.739	ug/l	97
14) Acrylonitrile	3.068	53	101704	105.052	ug/l	98
15) Acetone	2.386	58	25690	99.039	ug/l	99
16) Carbon Disulfide	2.508	76	67427	20.426	ug/l	99
17) Allyl chloride	2.660	41	53219	20.511	ug/l	98
18) Methylene Chloride	2.788	84	36778	21.150	ug/l	98
19) trans-1,2-Dichloroethene	3.087	96	32695	19.501	ug/l	96
20) Diisopropyl ether	3.763	45	109498	20.086	ug/l	97
21) 1,1-Dichloroethane	3.605	63	61333	20.046	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	39874	19.572	ug/l	97
23) tert-Butyl Alcohol	2.989	59	39439	95.996	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	108490	19.875	ug/l	99
25) Chloroform	5.093	83	65638	20.138	ug/l	95
26) Cyclohexane	5.464	56	49980	19.589	ug/l #	99
29) 1,1-Dichloropropene	5.690	75	42485	21.286	ug/l	99
30) 2-Butanone	4.562	43	144879	109.362	ug/l	100
31) 2,2-Dichloropropane	4.471	77	45140	19.271	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	53991	20.161	ug/l	99
33) Carbon Tetrachloride	5.672	117	48545	21.186	ug/l	97
34) Benzene	6.037	78	135835	21.550	ug/l	98
35) Methacrylonitrile	4.916	41	29876	22.356	ug/l	96
36) 1,2-Dichloroethane	6.086	62	51201	21.767	ug/l	100
37) Trichloroethene	7.123	130	36553	20.813	ug/l	99
38) Methylcyclohexane	7.379	83	51496	20.320	ug/l	99
39) 1,2-Dichloropropane	7.427	63	32611	21.886	ug/l	99
40) Dibromomethane	7.580	93	25162	21.457	ug/l	98
41) Bromodichloromethane	7.824	83	46045	20.914	ug/l	99
42) Vinyl Acetate	3.721	43	487052	105.965	ug/l	100

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 ALS Vial : 27 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	53333	20.865	ug/l	100
44) Isopropyl Acetate	6.342	43	83048	21.493	ug/l	100
45) 1,4-Dioxane	7.671	88	17129m	393.082	ug/l	
46) Methyl methacrylate	7.696	41	40135	20.877	ug/l	99
47) n-amyl Acetate	10.841	43	72909	20.808	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	44224	20.002	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	48381	20.203	ug/l	100
50) 1,1,2-Trichloroethane	9.153	97	35460	21.737	ug/l	94
51) Ethyl methacrylate	9.116	69	54809	20.873	ug/l	97
52) 1,3-Dichloropropane	9.305	76	58637	21.752	ug/l	99
53) Dibromochloromethane	9.519	129	38834	20.922	ug/l	98
54) 1,2-Dibromoethane	9.610	107	37193	21.500	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	142118	110.884	ug/l	99
56) Bromoform	10.799	173	29827	20.057	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	285767	111.089	ug/l	99
59) 2-Hexanone	9.433	43	224551	109.575	ug/l	100
61) Tetrachloroethene	9.275	164	36245	21.042	ug/l	91
62) Toluene	8.720	91	149775	21.380	ug/l	100
64) Chlorobenzene	10.079	112	101852	21.405	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	35330	20.977	ug/l	99
66) Ethyl Benzene	10.195	91	166896	21.455	ug/l	99
67) m/p-Xylenes	10.299	106	133146	43.771	ug/l	100
68) o-Xylene	10.640	106	66524	21.726	ug/l	95
69) Styrene	10.652	104	109208	21.272	ug/l	99
70) Isopropylbenzene	10.963	105	169903	21.959	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	58162	21.882	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	53770m	22.432	ug/l	
73) Bromobenzene	11.195	156	48230	21.215	ug/l	100
74) n-propylbenzene	11.305	91	185843	21.301	ug/l	100
75) 2-Chlorotoluene	11.360	91	117857	21.512	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	139293	21.092	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	13582	18.027	ug/l	99
78) 4-Chlorotoluene	11.451	91	130781	20.958	ug/l	99
79) tert-butylbenzene	11.713	119	148801	21.170	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	140772	21.266	ug/l	100
81) sec-Butylbenzene	11.890	105	174271	21.218	ug/l	99
82) p-Isopropyltoluene	12.006	119	151286	21.042	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	84620	20.754	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	84605	20.536	ug/l	98
85) n-Butylbenzene	12.329	91	113858	19.680	ug/l	99
86) Hexachloroethane	12.536	117	23728	19.602	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	88465	21.257	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	12283	21.042	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	57271	20.481	ug/l	98
90) Hexachlorobutadiene	13.725	225	27707	20.310	ug/l	99
91) Naphthalene	13.774	128	178604	21.371	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	59520	20.834	ug/l	100

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

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