

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
 Data File : VX041994.D
 Acq On : 24 Jun 2024 09:10
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

06/25/2024
 Supervised By :Mahesh
 Dadoda

Quant Time: Jun 25 05:54:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	30838	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	189631	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	176767	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	72889	34.335	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	114.467%#
60) 4-Bromofluorobenzene	11.079	95	83288	30.439	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.467%
63) Toluene-d8	8.647	98	233521	30.878	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.933%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	40328	20.202	ug/l	98
3) Chloromethane	1.300	50	43164	19.343	ug/l	99
4) Vinyl Chloride	1.374	62	41019	18.797	ug/l	99
5) Bromomethane	1.599	94	21250	18.217	ug/l	99
6) Chloroethane	1.666	64	22783	24.437	ug/l	98
7) Trichlorofluoromethane	1.874	101	58687	21.355	ug/l	100
8) Diethyl Ether	2.136	74	23278	19.572	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	37608	20.130	ug/l	100
10) 1,1-Dichloroethene	2.306	96	35854	19.024	ug/l	97
11) Methyl Iodide	2.447	142	41400	16.878	ug/l	98
12) Methyl Acetate	2.709	43	50174	20.881	ug/l	98
13) Acrolein	2.239	56	38407	79.273	ug/l	100
14) Acrylonitrile	3.068	53	113438	99.468	ug/l	99
15) Acetone	2.386	58	34642	106.184	ug/l	99
16) Carbon Disulfide	2.501	76	76302	18.474	ug/l	99
17) Allyl chloride	2.654	41	58172	20.324	ug/l	97
18) Methylene Chloride	2.788	84	40416	18.696	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	36295	19.225	ug/l	99
20) Diisopropyl ether	3.763	45	116488	19.800	ug/l	99
21) 1,1-Dichloroethane	3.605	63	66560	19.806	ug/l	100
22) cis-1,2-Dichloroethene	4.483	96	43446	19.011	ug/l	97
23) tert-Butyl Alcohol	2.989	59	41157	97.068	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	112618	19.317	ug/l	99
25) Chloroform	5.086	83	68816	20.149	ug/l	98
26) Cyclohexane	5.458	56	55625	19.057	ug/l #	98
29) 1,1-Dichloropropene	5.690	75	44093	17.815	ug/l	98
30) 2-Butanone	4.562	43	155968	94.313	ug/l	99
31) 2,2-Dichloropropane	4.471	77	50621	18.666	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	58212	18.555	ug/l	99
33) Carbon Tetrachloride	5.666	117	49777	18.396	ug/l	99
34) Benzene	6.031	78	148104	17.963	ug/l	99
35) Methacrylonitrile	4.922	41	30807	18.547	ug/l	98
36) 1,2-Dichloroethane	6.080	62	48208	18.769	ug/l	98
37) Trichloroethene	7.123	130	40038	17.779	ug/l	97
38) Methylcyclohexane	7.379	83	58137	17.734	ug/l	99
39) 1,2-Dichloropropane	7.427	63	36318	18.492	ug/l	100
40) Dibromomethane	7.580	93	26430	18.192	ug/l	100
41) Bromodichloromethane	7.818	83	49151	18.884	ug/l	99
42) Vinyl Acetate	3.721	43	512337	92.556	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
 Data File : VX041994.D
 Acq On : 24 Jun 2024 09:10
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

06/25/2024
 Supervised By :Mahesh
 Dadoda

Quant Time: Jun 25 05:54:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	55123	17.777	ug/l	99
44) Isopropyl Acetate	6.336	43	82640	17.794	ug/l	99
45) 1,4-Dioxane	7.665	88	20501m	362.140	ug/l	
46) Methyl methacrylate	7.690	41	41108	18.103	ug/l	97
47) n-amyl Acetate	10.841	43	71914	17.253	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	47513	17.730	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	54992	18.294	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	39370	18.637	ug/l	97
51) Ethyl methacrylate	9.116	69	57911	17.257	ug/l	98
52) 1,3-Dichloropropane	9.305	76	63608	18.418	ug/l	99
53) Dibromochloromethane	9.518	129	42959	18.582	ug/l	99
54) 1,2-Dibromoethane	9.610	107	41153	18.473	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	138914	88.932	ug/l	99
56) Bromoform	10.799	173	33896	17.981	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	297218	93.833	ug/l	99
59) 2-Hexanone	9.433	43	227212	92.937	ug/l	100
61) Tetrachloroethene	9.269	164	39853	17.917	ug/l	97
62) Toluene	8.714	91	162821	18.202	ug/l	100
64) Chlorobenzene	10.079	112	108091	17.745	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	38680	18.387	ug/l	99
66) Ethyl Benzene	10.195	91	173268	17.718	ug/l	98
67) m/p-Xylenes	10.299	106	142371	36.193	ug/l	99
68) o-Xylene	10.640	106	69405	17.697	ug/l	100
69) Styrene	10.652	104	118110	18.022	ug/l	99
70) Isopropylbenzene	10.957	105	179092	18.162	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	62481	18.309	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	50110m	18.129	ug/l	
73) Bromobenzene	11.195	156	51683	17.969	ug/l	98
74) n-propylbenzene	11.305	91	195420	18.041	ug/l	99
75) 2-Chlorotoluene	11.360	91	124465	18.095	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	150796	18.254	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	17640	17.251	ug/l	92
78) 4-Chlorotoluene	11.451	91	138317	18.102	ug/l	99
79) tert-butylbenzene	11.713	119	157496	17.961	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	150677	18.257	ug/l	98
81) sec-Butylbenzene	11.890	105	187562	18.338	ug/l	100
82) p-Isopropyltoluene	12.006	119	162600	18.142	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	91583	17.858	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	90229	17.675	ug/l	99
85) n-Butylbenzene	12.329	91	125194	18.064	ug/l	99
86) Hexachloroethane	12.536	117	27117	18.526	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	91913	17.721	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	12533	17.755	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	59078	16.827	ug/l	99
90) Hexachlorobutadiene	13.725	225	30748	17.773	ug/l	98
91) Naphthalene	13.774	128	176004	16.591	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	62248	17.120	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
Data File : VX041994.D
Acq On : 24 Jun 2024 09:10
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

Reviewed By :John
Carlone

06/25/2024
Supervised By :Mahesh
Dadoda

06/25/2024

