

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070924\
 Data File : VX042253.D
 Acq On : 09 Jul 2024 17:46
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/10/2024
 Supervised By : Mahesh Dadoda 07/10/2024

Quant Time: Jul 10 04:59:28 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	4.897	128	25117	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	142751	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	131034	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	52768	30.519	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.733%			
60) 4-Bromofluorobenzene	11.079	95	62692	30.909	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.033%			
63) Toluene-d8	8.647	98	169488	30.233	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.767%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	30887	18.997	ug/l	99
3) Chloromethane	1.307	50	30424	16.740	ug/l	99
4) Vinyl Chloride	1.374	62	30447	17.130	ug/l	100
5) Bromomethane	1.593	94	16455	17.319	ug/l	97
6) Chloroethane	1.666	64	16959	22.333	ug/l	96
7) Trichlorofluoromethane	1.874	101	38549	17.222	ug/l	98
8) Diethyl Ether	2.136	74	18115	18.700	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	30043	19.743	ug/l	99
10) 1,1-Dichloroethene	2.306	96	28054	18.276	ug/l	98
11) Methyl Iodide	2.441	142	39116	19.579	ug/l	99
12) Methyl Acetate	2.709	43	46564	23.793	ug/l	98
13) Acrolein	2.239	56	29381	74.456	ug/l	99
14) Acrylonitrile	3.068	53	94490	101.725	ug/l	98
15) Acetone	2.392	58	25078	94.378	ug/l	99
16) Carbon Disulfide	2.502	76	56024	16.654	ug/l	99
17) Allyl chloride	2.654	41	43356	18.598	ug/l	97
18) Methylene Chloride	2.782	84	34016	19.320	ug/l	97
19) trans-1,2-Dichloroethene	3.087	96	28874	18.778	ug/l	98
20) Diisopropyl ether	3.770	45	96241	20.084	ug/l	96
21) 1,1-Dichloroethane	3.605	63	53847	19.673	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	37157	19.962	ug/l	99
23) tert-Butyl Alcohol	2.995	59	30713	88.935	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	96583	20.340	ug/l	100
25) Chloroform	5.093	83	57401	20.635	ug/l	99
26) Cyclohexane	5.464	56	43773	18.412	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	34358	18.441	ug/l	99
30) 2-Butanone	4.568	43	131834	105.899	ug/l	100
31) 2,2-Dichloropropane	4.471	77	39418	19.308	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	47207	19.988	ug/l	99
33) Carbon Tetrachloride	5.672	117	40897	20.078	ug/l	98
34) Benzene	6.037	78	121610	19.594	ug/l	99
35) Methacrylonitrile	4.928	41	25949	20.752	ug/l	94
36) 1,2-Dichloroethane	6.086	62	38905	20.121	ug/l	99
37) Trichloroethene	7.123	130	33190	19.578	ug/l	98
38) Methylcyclohexane	7.379	83	47035	19.059	ug/l	98
39) 1,2-Dichloropropane	7.427	63	29463	19.929	ug/l	96
40) Dibromomethane	7.586	93	22305	20.395	ug/l	99
41) Bromodichloromethane	7.824	83	39978	20.404	ug/l	99
42) Vinyl Acetate	3.721	43	411631	98.784	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070924\
 Data File : VX042253.D
 Acq On : 09 Jul 2024 17:46
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/10/2024
 Supervised By : Mahesh Dadoda 07/10/2024

Quant Time: Jul 10 04:59:28 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	4.721	43	48024	20.574	ug/l	99
44) Isopropyl Acetate	6.348	43	70420	20.142	ug/l	100
45) 1,4-Dioxane	7.677	88	15654m	367.331	ug/l	
46) Methyl methacrylate	7.696	41	34333	20.085	ug/l	99
47) n-amyl Acetate	10.841	43	60555	19.299	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	39276	19.469	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	44885	19.835	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	33447	21.032	ug/l	95
51) Ethyl methacrylate	9.116	69	49883	19.746	ug/l	99
52) 1,3-Dichloropropane	9.311	76	52809	20.313	ug/l	99
53) Dibromochloromethane	9.519	129	35535	20.419	ug/l	99
54) 1,2-Dibromoethane	9.610	107	34797	20.750	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	128399	109.195	ug/l	99
56) Bromoform	10.799	173	29321	20.662	ug/l	97
58) 4-Methyl-2-Pentanone	8.580	43	254309	108.308	ug/l	99
59) 2-Hexanone	9.433	43	195791	108.035	ug/l	100
61) Tetrachloroethene	9.275	164	32505	19.714	ug/l	98
62) Toluene	8.720	91	133743	20.170	ug/l	99
64) Chlorobenzene	10.079	112	91325	20.226	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	32248	20.679	ug/l	99
66) Ethyl Benzene	10.195	91	145596	20.084	ug/l	98
67) m/p-Xylenes	10.299	106	118914	40.781	ug/l	97
68) o-Xylene	10.640	106	59171	20.354	ug/l	97
69) Styrene	10.659	104	99284	20.437	ug/l	99
70) Isopropylbenzene	10.963	105	148546	20.322	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	53821	21.275	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	41604m	20.305	ug/l	
73) Bromobenzene	11.201	156	43492	20.398	ug/l	98
74) n-propylbenzene	11.305	91	162841	20.280	ug/l	100
75) 2-Chlorotoluene	11.366	91	104027	20.402	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	125389	20.476	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	14374	18.963	ug/l	92
78) 4-Chlorotoluene	11.457	91	114349	20.188	ug/l	100
79) tert-butylbenzene	11.713	119	133304	20.507	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	125937	20.585	ug/l	100
81) sec-Butylbenzene	11.890	105	157896	20.826	ug/l	100
82) p-Isopropyltoluene	12.012	119	136956	20.614	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	76653	20.163	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	75708	20.007	ug/l	100
85) n-Butylbenzene	12.335	91	101887	19.832	ug/l	99
86) Hexachloroethane	12.536	117	21661	19.964	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	78207	20.341	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	10822	20.682	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	49823	19.144	ug/l	99
90) Hexachlorobutadiene	13.725	225	26392	20.579	ug/l	99
91) Naphthalene	13.774	128	153516	19.522	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	53402	19.813	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070924\
Data File : VX042253.D
Acq On : 09 Jul 2024 17:46
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Quant Time: Jul 10 04:59:28 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

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/10/2024
Supervised By :Mahesh Dadoda 07/10/2024

