

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
 Data File : VX040781.D
 Acq On : 22 Mar 2024 15:50
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2024
 Supervised By : Semsettin Yesilyurt 03/25/2024

Quant Time: Mar 23 05:06:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	15778	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	89182	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	80704	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	44373	28.159	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.867%		
60) 4-Bromofluorobenzene	11.079	95	42354	30.596	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.000%		
63) Toluene-d8	8.647	98	111183	31.174	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	103.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	19708	18.416	ug/l	91
3) Chloromethane	1.301	50	17769	16.206	ug/l	95
4) Vinyl Chloride	1.374	62	19092	16.112	ug/l	95
5) Bromomethane	1.611	94	13224	18.272	ug/l	97
6) Chloroethane	1.691	64	12292	17.656	ug/l	98
7) Trichlorofluoromethane	1.892	101	34381	19.056	ug/l	98
8) Diethyl Ether	2.130	74	11783	19.235	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	19339	19.569	ug/l	92
10) 1,1-Dichloroethene	2.325	96	17376	18.468	ug/l	96
11) Methyl Iodide	2.453	142	25589	22.486	ug/l	95
12) Methyl Acetate	2.697	43	31341	20.222	ug/l	99
13) Acrolein	2.233	56	24572	84.097	ug/l	99
14) Acrylonitrile	3.056	53	56370	92.365	ug/l	99
15) Acetone	2.374	58	12891	73.896	ug/l #	60
16) Carbon Disulfide	2.514	76	44209	17.096	ug/l	98
17) Allyl chloride	2.666	41	32484	18.709	ug/l	85
18) Methylene Chloride	2.788	84	21362	19.886	ug/l	94
19) trans-1,2-Dichloroethene	3.093	96	19127	18.620	ug/l	95
20) Diisopropyl ether	3.751	45	67671	19.488	ug/l #	82
21) 1,1-Dichloroethane	3.605	63	39147	19.591	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	23013	19.292	ug/l	96
23) tert-Butyl Alcohol	2.940	59	20431m	70.855	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	65497	18.862	ug/l	94
25) Chloroform	5.086	83	42984	19.654	ug/l	92
26) Cyclohexane	5.471	56	29297	18.167	ug/l #	94
29) 1,1-Dichloropropene	5.690	75	29556	19.146	ug/l	81
30) 2-Butanone	4.550	43	79479	84.374	ug/l	99
31) 2,2-Dichloropropane	4.477	77	32467	19.487	ug/l #	84
32) 1,1,1-Trichloroethane	5.385	97	36664	18.849	ug/l	97
33) Carbon Tetrachloride	5.678	117	31730	19.388	ug/l	97
34) Benzene	6.031	78	81776	19.624	ug/l	97
35) Methacrylonitrile	4.916	41	18260	18.883	ug/l	94
36) 1,2-Dichloroethane	6.080	62	36675	19.035	ug/l	95
37) Trichloroethene	7.123	130	21046	18.794	ug/l	97
38) Methylcyclohexane	7.373	83	32144	19.338	ug/l	97
39) 1,2-Dichloropropane	7.421	63	20926	19.722	ug/l	99
40) Dibromomethane	7.580	93	16770	20.119	ug/l	97
41) Bromodichloromethane	7.818	83	33150	19.991	ug/l	99
42) Vinyl Acetate	3.715	43	308517	95.126	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
 Data File : VX040781.D
 Acq On : 22 Mar 2024 15:50
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2024
 Supervised By : Semsettin Yesilyurt 03/25/2024

Quant Time: Mar 23 05:06:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.702	43	33499	18.883	ug/l	97
44) Isopropyl Acetate	6.330	43	52972	18.706	ug/l	95
45) 1,4-Dioxane	7.653	88	8283	284.550	ug/l	93
46) Methyl methacrylate	7.690	41	26555	18.880	ug/l	95
47) n-amyl Acetate	10.842	43	45799	18.765	ug/l	97
48) t-1,3-Dichloropropene	8.976	75	33653	19.201	ug/l	92
49) cis-1,3-Dichloropropene	8.360	75	35361	19.805	ug/l	91
50) 1,1,2-Trichloroethane	9.147	97	21444	19.368	ug/l	95
51) Ethyl methacrylate	9.110	69	33429	19.178	ug/l	94
52) 1,3-Dichloropropane	9.305	76	36009	19.060	ug/l	100
53) Dibromochloromethane	9.519	129	22787	18.054	ug/l	100
54) 1,2-Dibromoethane	9.610	107	22585	18.435	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	95945	108.085	ug/l	99
56) Bromoform	10.799	173	15608	17.434	ug/l #	97
58) 4-Methyl-2-Pentanone	8.568	43	171400	95.377	ug/l	98
59) 2-Hexanone	9.427	43	128871	88.781	ug/l	95
61) Tetrachloroethene	9.269	164	17776	18.558	ug/l	90
62) Toluene	8.714	91	89168	20.061	ug/l	98
64) Chlorobenzene	10.079	112	55052	20.265	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	20020	19.321	ug/l	98
66) Ethyl Benzene	10.189	91	102006	19.904	ug/l	98
67) m/p-Xylenes	10.299	106	72225	38.164	ug/l	96
68) o-Xylene	10.640	106	35081	19.256	ug/l	93
69) Styrene	10.653	104	59346	19.388	ug/l	98
70) Isopropylbenzene	10.963	105	96954	19.695	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	34372	19.917	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	29261m	18.844	ug/l	
73) Bromobenzene	11.195	156	23170	19.882	ug/l	92
74) n-propylbenzene	11.305	91	123014	20.233	ug/l	98
75) 2-Chlorotoluene	11.360	91	70443	19.524	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	85109	19.638	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	9475	19.634	ug/l	78
78) 4-Chlorotoluene	11.451	91	84413	19.612	ug/l	100
79) tert-butylbenzene	11.713	119	79006	19.531	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	82171	19.244	ug/l	100
81) sec-Butylbenzene	11.890	105	101542	19.013	ug/l	99
82) p-Isopropyltoluene	12.006	119	86812	19.859	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	44335	19.551	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	45485	19.615	ug/l	98
85) n-Butylbenzene	12.329	91	83470	19.623	ug/l	99
86) Hexachloroethane	12.536	117	14459	18.956	ug/l	94
87) 1,2-Dichlorobenzene	12.335	146	43272	19.637	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	7504	16.262	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	29646	19.981	ug/l	98
90) Hexachlorobutadiene	13.725	225	11290	18.819	ug/l	98
91) Naphthalene	13.774	128	99633	20.587	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	29031	19.844	ug/l	97

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
Data File : VX040781.D
Acq On : 22 Mar 2024 15:50
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Quant Time: Mar 23 05:06:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Mar 05 13:21:29 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2024
Supervised By :Semsettin Yesilyurt 03/25/2024

