

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
 Data File : VX033223.D
 Acq On : 05 Dec 2022 13:58
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/06/2022
 Supervised By :Mahesh Dadoda 12/06/2022

Quant Time: Dec 06 05:41:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	9868	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	59411	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	69224	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	28749	30.199	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.667%			
60) 4-Bromofluorobenzene	11.079	95	38081	28.759	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.867%			
63) Toluene-d8	8.647	98	66869	28.624	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	11031	12.631	ug/l	100
3) Chloromethane	1.294	50	14519	16.753	ug/l	97
4) Vinyl Chloride	1.374	62	14801	15.104	ug/l	96
5) Bromomethane	1.618	94	13634	15.672	ug/l	98
6) Chloroethane	1.691	64	13647	17.631	ug/l	92
7) Trichlorofluoromethane	1.892	101	29179	15.446	ug/l	96
8) Diethyl Ether	2.130	74	13996	22.915	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.331	101	15468	15.393	ug/l	96
10) 1,1-Dichloroethene	2.325	96	14357	14.956	ug/l	92
11) Methyl Iodide	2.453	142	17971	17.413	ug/l	98
12) Methyl Acetate	2.703	43	28746	20.215	ug/l #	88
13) Acrolein	2.239	56	21594	113.876	ug/l	97
14) Acrylonitrile	3.062	53	52360	102.713	ug/l	99
15) Acetone	2.392	58	13840	104.408	ug/l	90
16) Carbon Disulfide	2.514	76	40115	16.786	ug/l	97
17) Allyl chloride	2.666	41	26657	17.476	ug/l	91
18) Methylene Chloride	2.788	84	21309	19.248	ug/l	90
19) trans-1,2-Dichloroethene	3.093	96	17534	16.581	ug/l #	82
20) Diisopropyl ether	3.757	45	65825	19.245	ug/l	91
21) 1,1-Dichloroethane	3.611	63	34187	17.805	ug/l	94
22) cis-1,2-Dichloroethene	4.489	96	23077	18.690	ug/l	91
23) tert-Butyl Alcohol	2.989	59	18390	111.105	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	67877	19.746	ug/l	94
25) Chloroform	5.093	83	39283	18.344	ug/l	94
26) Cyclohexane	5.477	56	24109	14.378	ug/l #	86
29) 1,1-Dichloropropene	5.690	75	23225	17.626	ug/l	97
30) 2-Butanone	4.562	43	72363	117.782	ug/l	91
31) 2,2-Dichloropropane	4.471	77	22949	20.365	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	30455	18.375	ug/l	95
33) Carbon Tetrachloride	5.678	117	27667	19.012	ug/l	99
34) Benzene	6.038	78	76505	20.607	ug/l #	96
35) Methacrylonitrile	4.922	41	16176	23.247	ug/l	95
36) 1,2-Dichloroethane	6.086	62	34868	22.814	ug/l #	92
37) Trichloroethene	7.129	130	20032	19.287	ug/l	91
38) Methylcyclohexane	7.379	83	25209	17.076	ug/l	88
39) 1,2-Dichloropropane	7.428	63	20388	21.695	ug/l	98
40) Dibromomethane	7.580	93	16948	23.621	ug/l	97
41) Bromodichloromethane	7.824	83	34257	25.050	ug/l	94
42) Vinyl Acetate	3.721	43	259240	109.813	ug/l #	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
 Data File : VX033223.D
 Acq On : 05 Dec 2022 13:58
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/06/2022
 Supervised By :Mahesh Dadoda 12/06/2022

Quant Time: Dec 06 05:41:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	4.715	43	29123	23.564	ug/l	#	89
44) Isopropyl Acetate	6.342	43	45846	22.136	ug/l		94
45) 1,4-Dioxane	7.690	88	9870	496.133	ug/l	#	73
46) Methyl methacrylate	7.696	41	22814	21.881	ug/l		85
47) n-amyl Acetate	10.842	43	38120	20.704	ug/l		97
48) t-1,3-Dichloropropene	8.976	75	32857	23.419	ug/l		99
49) cis-1,3-Dichloropropene	8.366	75	35006	23.630	ug/l		94
50) 1,1,2-Trichloroethane	9.153	97	23416	23.736	ug/l		94
51) Ethyl methacrylate	9.116	69	32325	21.940	ug/l		82
52) 1,3-Dichloropropane	9.305	76	38229	23.703	ug/l		99
53) Dibromochloromethane	9.519	129	28623	26.680	ug/l		99
54) 1,2-Dibromoethane	9.610	107	25785	24.265	ug/l		99
55) 2-Chloroethyl vinyl ether	8.238	63	75053	105.414	ug/l		94
56) Bromoform	10.799	173	21099	27.469	ug/l		98
58) 4-Methyl-2-Pentanone	8.574	43	154290	113.858	ug/l	#	91
59) 2-Hexanone	9.427	43	113749	114.007	ug/l		91
61) Tetrachloroethene	9.275	164	17516	18.105	ug/l		97
62) Toluene	8.720	91	85926	19.087	ug/l		98
64) Chlorobenzene	10.079	112	55848	20.066	ug/l		99
65) 1,1,1,2-Tetrachloroethane	10.165	131	23251	21.930	ug/l		99
66) Ethyl Benzene	10.195	91	93288	18.472	ug/l		97
67) m/p-Xylenes	10.299	106	72699	36.995	ug/l		90
68) o-Xylene	10.640	106	36613	18.988	ug/l		91
69) Styrene	10.653	104	62068	19.362	ug/l		96
70) Isopropylbenzene	10.963	105	92628	17.990	ug/l		97
71) 1,1,2,2-Tetrachloroethane	11.213	83	36519	23.387	ug/l		98
72) 1,2,3-Trichloropropane	11.238	75	28873m	21.290	ug/l		
73) Bromobenzene	11.201	156	25157	20.112	ug/l		88
74) n-propylbenzene	11.305	91	104286	17.826	ug/l		95
75) 2-Chlorotoluene	11.366	91	66628	18.810	ug/l		92
76) 1,3,5-Trimethylbenzene	11.451	105	79098	18.172	ug/l		97
77) t-1,4-Dichloro-2-butene	11.018	75	10251	24.771	ug/l		99
78) 4-Chlorotoluene	11.457	91	74522	18.264	ug/l		95
79) tert-butylbenzene	11.713	119	76621	18.113	ug/l		97
80) 1,2,4-Trimethylbenzene	11.750	105	79119	18.590	ug/l		94
81) sec-Butylbenzene	11.890	105	89749	17.623	ug/l		96
82) p-Isopropyltoluene	12.012	119	77202	17.988	ug/l		97
83) 1,3-Dichlorobenzene	11.969	146	44704	19.480	ug/l		97
84) 1,4-Dichlorobenzene	12.043	146	44621	19.362	ug/l		99
85) n-Butylbenzene	12.335	91	63051	17.333	ug/l		95
86) Hexachloroethane	12.536	117	14515	20.601	ug/l		99
87) 1,2-Dichlorobenzene	12.335	146	45623	19.998	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8047	24.290	ug/l	#	81
89) 1,2,4-Trichlorobenzene	13.591	180	26197	18.698	ug/l		98
90) Hexachlorobutadiene	13.725	225	10062	17.843	ug/l		96
91) Naphthalene	13.774	128	97210	20.556	ug/l		100
92) 1,2,3-Trichlorobenzene	13.963	180	27494	19.511	ug/l		98

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

