

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030422\
 Data File : VX027315.D
 Acq On : 04 Mar 2022 20:35
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/07/2022
 Supervised By : Mahesh Dadoda 03/07/2022

Quant Time: Mar 05 01:49:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 04 01:00:22 2022
 Response via : Initial Calibration

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

Internal Standards						03/07/2022
1) Bromochloromethane	4.903	128	10788	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	58815	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	53185	30.000	ug/l	0.00
System Monitoring Compounds						Supervised By :Mahesh
27) 1,2-Dichloroethane-d4	5.964	65	23081	30.904	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.000%
60) 4-Bromofluorobenzene	11.085	95	25911	30.073	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.233%
63) Toluene-d8	8.653	98	69655	29.958	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.867%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	12707	18.400	ug/l	98
3) Chloromethane	1.294	50	9506	17.116	ug/l	97
4) Vinyl Chloride	1.380	62	9363	17.605	ug/l	95
5) Bromomethane	1.605	94	5716	19.999	ug/l	99
6) Chloroethane	1.691	64	5944	18.914	ug/l	97
7) Trichlorofluoromethane	1.892	101	17780	19.547	ug/l	98
8) Diethyl Ether	2.136	74	5305	18.314	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	11397	17.923	ug/l	98
10) 1,1-Dichloroethene	2.325	96	11062	17.907	ug/l	96
11) Methyl Iodide	2.459	142	12777	17.746	ug/l	98
12) Methyl Acetate	2.709	43	14416	17.935	ug/l	98
13) Acrolein	2.239	56	13435	105.082	ug/l	98
14) Acrylonitrile	3.068	53	32729	90.280	ug/l	100
15) Acetone	2.386	58	8908	85.605	ug/l	99
16) Carbon Disulfide	2.514	76	28696	17.493	ug/l	100
17) Allyl chloride	2.672	41	17642	17.181	ug/l	94
18) Methylene Chloride	2.794	84	11966	17.153	ug/l	95
19) trans-1,2-Dichloroethene	3.093	96	11981	17.930	ug/l	99
20) Diisopropyl ether	3.770	45	35450	17.959	ug/l #	85
21) 1,1-Dichloroethane	3.617	63	20983	18.173	ug/l	98
22) cis-1,2-Dichloroethene	4.501	96	13941	18.166	ug/l	100
23) tert-Butyl Alcohol	2.965	59	12932	90.070	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	37436	18.259	ug/l	99
25) Chloroform	5.099	83	22706	18.452	ug/l	95
26) Cyclohexane	5.470	56	18311	17.612	ug/l #	99
29) 1,1-Dichloropropene	5.696	75	16628	18.494	ug/l	99
30) 2-Butanone	4.556	43	45223	89.101	ug/l	99
31) 2,2-Dichloropropane	4.483	77	15019	16.616	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	20080	18.389	ug/l	99
33) Carbon Tetrachloride	5.684	117	18683	18.757	ug/l	98
34) Benzene	6.043	78	48466	18.447	ug/l	97
35) Methacrylonitrile	4.928	41	9127	17.202	ug/l	94
36) 1,2-Dichloroethane	6.092	62	18175	18.991	ug/l	99
37) Trichloroethene	7.129	130	14424	18.170	ug/l	95
38) Methylcyclohexane	7.385	83	20198	18.134	ug/l	97
39) 1,2-Dichloropropane	7.433	63	11780	18.262	ug/l	99
40) Dibromomethane	7.586	93	9077	18.818	ug/l	99
41) Bromodichloromethane	7.824	83	17426	18.745	ug/l	96
42) Vinyl Acetate	3.727	43	152618	89.702	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030422\
 Data File : VX027315.D
 Acq On : 04 Mar 2022 20:35
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/07/2022
 Supervised By : Mahesh Dadoda 03/07/2022

Quant Time: Mar 05 01:49:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 04 01:00:22 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	4.721	43	16692	17.354	ug/l	#	91
44) Isopropyl Acetate	6.342	43	25967	17.487	ug/l		98
45) 1,4-Dioxane	7.659	88	6162	367.790	ug/l		95
46) Methyl methacrylate	7.696	41	13428	18.229	ug/l		95
47) n-amyl Acetate	10.841	43	21462	17.537	ug/l		100
48) t-1,3-Dichloropropene	8.982	75	16991	17.700	ug/l		99
49) cis-1,3-Dichloropropene	8.366	75	18642	17.676	ug/l		97
50) 1,1,2-Trichloroethane	9.153	97	12844	18.736	ug/l		99
51) Ethyl methacrylate	9.116	69	19058	17.921	ug/l		97
52) 1,3-Dichloropropane	9.311	76	21052	18.388	ug/l		99
53) Dibromochloromethane	9.525	129	13698	18.287	ug/l		100
54) 1,2-Dibromoethane	9.610	107	13662	18.378	ug/l		97
55) 2-Chloroethyl vinyl ether	8.244	63	47324	91.864	ug/l		100
56) Bromoform	10.799	173	9774	17.844	ug/l		98
58) 4-Methyl-2-Pentanone	8.574	43	90721	94.296	ug/l		99
59) 2-Hexanone	9.433	43	67562	91.763	ug/l		99
61) Tetrachloroethene	9.275	164	14523	18.721	ug/l		96
62) Toluene	8.720	91	54105	18.675	ug/l		97
64) Chlorobenzene	10.079	112	33834	18.226	ug/l		98
65) 1,1,1,2-Tetrachloroethane	10.165	131	13279	18.847	ug/l		95
66) Ethyl Benzene	10.195	91	60405	18.496	ug/l		99
67) m/p-Xylenes	10.305	106	47214	36.922	ug/l		99
68) o-Xylene	10.640	106	23172	18.539	ug/l		99
69) Styrene	10.659	104	38300	18.432	ug/l		98
70) Isopropylbenzene	10.963	105	61193	18.612	ug/l		100
71) 1,1,2,2-Tetrachloroethane	11.213	83	19692	20.489	ug/l		97
72) 1,2,3-Trichloropropane	11.244	75	17232m	18.462	ug/l		
73) Bromobenzene	11.201	156	15116	18.479	ug/l		97
74) n-propylbenzene	11.305	91	69469	18.538	ug/l		100
75) 2-Chlorotoluene	11.366	91	42010	18.520	ug/l		99
76) 1,3,5-Trimethylbenzene	11.451	105	51767	18.745	ug/l		100
77) t-1,4-Dichloro-2-butene	11.018	75	4597	16.625	ug/l		97
78) 4-Chlorotoluene	11.457	91	47358	18.338	ug/l		98
79) tert-butylbenzene	11.713	119	50095	18.649	ug/l		100
80) 1,2,4-Trimethylbenzene	11.756	105	51484	18.712	ug/l		100
81) sec-Butylbenzene	11.890	105	61047	17.867	ug/l		99
82) p-Isopropyltoluene	12.012	119	53344	18.252	ug/l		99
83) 1,3-Dichlorobenzene	11.969	146	28107	18.359	ug/l		100
84) 1,4-Dichlorobenzene	12.042	146	28792	18.834	ug/l		99
85) n-Butylbenzene	12.335	91	41511	17.413	ug/l		99
86) Hexachloroethane	12.542	117	8524	18.767	ug/l		99
87) 1,2-Dichlorobenzene	12.335	146	28089	18.974	ug/l		100
88) 1,2-Dibromo-3-Chloropr...	12.945	75	4040	17.745	ug/l		97
89) 1,2,4-Trichlorobenzene	13.591	180	17072	17.556	ug/l		98
90) Hexachlorobutadiene	13.725	225	7330	17.954	ug/l		98
91) Naphthalene	13.774	128	59029	18.217	ug/l		100
92) 1,2,3-Trichlorobenzene	13.963	180	17722	18.177	ug/l		99

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

