

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053024\
 Data File : VX041691.D
 Acq On : 30 May 2024 16:40
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: May 31 05:30:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	25361	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	142738	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	132241	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	60474	30.280	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.933%
60) 4-Bromofluorobenzene	11.079	95	64467	31.228	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	104.100%
63) Toluene-d8	8.647	98	166101	29.302	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.667%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26300	19.827	ug/l	99
3) Chloromethane	1.294	50	27182	18.713	ug/l	100
4) Vinyl Chloride	1.374	62	29693	19.416	ug/l	93
5) Bromomethane	1.599	94	19451	19.997	ug/l	96
6) Chloroethane	1.666	64	24155	31.240	ug/l	90
7) Trichlorofluoromethane	1.874	101	51844	22.334	ug/l	99
8) Diethyl Ether	2.136	74	19636	22.651	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	30087	22.351	ug/l	99
10) 1,1-Dichloroethene	2.313	96	27175	20.944	ug/l	94
11) Methyl Iodide	2.447	142	37082	23.995	ug/l	98
12) Methyl Acetate	2.703	43	44482	22.763	ug/l	96
13) Acrolein	2.239	56	15140	63.640	ug/l	96
14) Acrylonitrile	3.062	53	88200	102.657	ug/l	99
15) Acetone	2.386	58	29075	126.303	ug/l	95
16) Carbon Disulfide	2.501	76	54845	18.721	ug/l	99
17) Allyl chloride	2.654	41	47481	20.620	ug/l	99
18) Methylene Chloride	2.782	84	32403	20.997	ug/l	97
19) trans-1,2-Dichloroethene	3.081	96	28304	19.023	ug/l	98
20) Diisopropyl ether	3.757	45	98796	20.421	ug/l	96
21) 1,1-Dichloroethane	3.605	63	54202	19.962	ug/l	100
22) cis-1,2-Dichloroethene	4.483	96	35914	19.864	ug/l	98
23) tert-Butyl Alcohol	2.989	59	39015	107.006	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	97337	20.093	ug/l	99
25) Chloroform	5.086	83	59346	20.516	ug/l	99
26) Cyclohexane	5.458	56	43287	19.117	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	37582	19.904	ug/l	99
30) 2-Butanone	4.556	43	128853	102.813	ug/l	99
31) 2,2-Dichloropropane	4.465	77	44710	20.176	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	50986	20.125	ug/l	98
33) Carbon Tetrachloride	5.672	117	43728	20.172	ug/l	97
34) Benzene	6.031	78	120116	20.143	ug/l	98
35) Methacrylonitrile	4.916	41	26104	20.648	ug/l	99
36) 1,2-Dichloroethane	6.080	62	45788	20.577	ug/l	100
37) Trichloroethene	7.123	130	32147	19.349	ug/l	95
38) Methylcyclohexane	7.373	83	46520	19.404	ug/l	98
39) 1,2-Dichloropropane	7.421	63	29381	20.843	ug/l	94
40) Dibromomethane	7.580	93	22082	19.905	ug/l	99
41) Bromodichloromethane	7.818	83	42835	20.566	ug/l	98
42) Vinyl Acetate	3.715	43	435313	100.111	ug/l	100

05/31/2024
 Supervised By :Mahesh
 Radoda

05/31/2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053024\
 Data File : VX041691.D
 Acq On : 30 May 2024 16:40
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: May 31 05:30:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	4.715	43	45415	18.781	ug/l	100	05/31/2024
44) Isopropyl Acetate	6.336	43	72925	19.950	ug/l	98	Supervised By :Mahesh
45) 1,4-Dioxane	7.659	88	12616	306.032	ug/l #	83	Dadoda
46) Methyl methacrylate	7.690	41	36849	20.261	ug/l	97	
47) n-amyl Acetate	10.841	43	65618	19.795	ug/l	99	
48) t-1,3-Dichloropropene	8.976	75	40955	19.581	ug/l	98	
49) cis-1,3-Dichloropropene	8.360	75	45442	20.058	ug/l	98	05/31/2024
50) 1,1,2-Trichloroethane	9.147	97	32564	21.100	ug/l	96	
51) Ethyl methacrylate	9.116	69	47950	19.303	ug/l	95	
52) 1,3-Dichloropropane	9.305	76	52716	20.671	ug/l	99	
53) Dibromochloromethane	9.519	129	36009	20.506	ug/l	99	
54) 1,2-Dibromoethane	9.604	107	33679	20.579	ug/l	99	
55) 2-Chloroethyl vinyl ether	8.238	63	116177	95.815	ug/l	100	
56) Bromoform	10.799	173	28328	20.136	ug/l	99	
58) 4-Methyl-2-Pentanone	8.574	43	248400	102.804	ug/l	99	
59) 2-Hexanone	9.427	43	197222	102.459	ug/l	99	
61) Tetrachloroethene	9.269	164	31570	19.513	ug/l	94	
62) Toluene	8.714	91	132822	20.185	ug/l	99	
64) Chlorobenzene	10.079	112	91469	20.465	ug/l	100	
65) 1,1,1,2-Tetrachloroethane	10.159	131	32845	20.762	ug/l	100	
66) Ethyl Benzene	10.189	91	148958	20.386	ug/l	98	
67) m/p-Xylenes	10.299	106	118945	41.630	ug/l	98	
68) o-Xylene	10.640	106	58254	20.255	ug/l	99	
69) Styrene	10.652	104	98695	20.466	ug/l	100	
70) Isopropylbenzene	10.957	105	152904	21.039	ug/l	99	
71) 1,1,2,2-Tetrachloroethane	11.213	83	52696	21.107	ug/l	100	
72) 1,2,3-Trichloropropane	11.238	75	43878m	19.488	ug/l		
73) Bromobenzene	11.195	156	43126	20.196	ug/l	98	
74) n-propylbenzene	11.299	91	172071	20.998	ug/l	100	
75) 2-Chlorotoluene	11.360	91	107238	20.839	ug/l	98	
76) 1,3,5-Trimethylbenzene	11.451	105	129088	20.810	ug/l	98	
77) t-1,4-Dichloro-2-butene	11.018	75	14007	19.793	ug/l	93	
78) 4-Chlorotoluene	11.451	91	122884	20.966	ug/l	100	
79) tert-butylbenzene	11.713	119	136977	20.747	ug/l	98	
80) 1,2,4-Trimethylbenzene	11.750	105	129758	20.870	ug/l	99	
81) sec-Butylbenzene	11.890	105	164247	21.290	ug/l	99	
82) p-Isopropyltoluene	12.006	119	140961	20.873	ug/l	100	
83) 1,3-Dichlorobenzene	11.969	146	79054	20.642	ug/l	99	
84) 1,4-Dichlorobenzene	12.042	146	79390	20.516	ug/l	99	
85) n-Butylbenzene	12.329	91	113872	20.954	ug/l	99	
86) Hexachloroethane	12.536	117	23501	20.670	ug/l	98	
87) 1,2-Dichlorobenzene	12.335	146	80037	20.475	ug/l	99	
88) 1,2-Dibromo-3-Chloropr...	12.939	75	10952	19.975	ug/l	99	
89) 1,2,4-Trichlorobenzene	13.585	180	54409	20.716	ug/l	99	
90) Hexachlorobutadiene	13.725	225	26522	20.698	ug/l	97	
91) Naphthalene	13.774	128	157722	20.092	ug/l	99	
92) 1,2,3-Trichlorobenzene	13.963	180	56532	21.067	ug/l	100	

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

