

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072624\
 Data File : VX042555.D
 Acq On : 25 Jul 2024 09:46
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jul 26 01:31:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 11:30:14 2024
 Response via : Initial Calibration

07/26/2024
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	4.897	128	21626	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	120726	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	112455	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	46494	30.014	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.033%
60) 4-Bromofluorobenzene	11.079	95	52752	30.149	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.500%
63) Toluene-d8	8.647	98	147318	30.157	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.533%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	24558	18.945	ug/l	95
3) Chloromethane	1.301	50	21450	15.825	ug/l	99
4) Vinyl Chloride	1.374	62	19936	14.805	ug/l	97
5) Bromomethane	1.599	94	11412	16.883	ug/l	99
6) Chloroethane	1.660	64	9982	17.200	ug/l	95
7) Trichlorofluoromethane	1.867	101	28845	17.121	ug/l	98
8) Diethyl Ether	2.136	74	11624	16.451	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.313	101	23767	18.114	ug/l	98
10) 1,1-Dichloroethene	2.306	96	21005	16.658	ug/l	99
11) Methyl Iodide	2.441	142	22655	15.891	ug/l	99
12) Methyl Acetate	2.709	43	40475	19.530	ug/l	95
13) Acrolein	2.239	56	16128	61.951	ug/l	95
14) Acrylonitrile	3.068	53	68523	88.047	ug/l	99
15) Acetone	2.392	58	19458	84.054	ug/l	95
16) Carbon Disulfide	2.502	76	36709	14.727	ug/l	99
17) Allyl chloride	2.660	41	33756	16.825	ug/l	95
18) Methylene Chloride	2.782	84	24953	17.328	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	22002	17.275	ug/l	97
20) Diisopropyl ether	3.763	45	71153	16.830	ug/l	96
21) 1,1-Dichloroethane	3.605	63	41559	17.316	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	27731	17.386	ug/l	97
23) tert-Butyl Alcohol	2.989	59	25806	87.007	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	74300	17.654	ug/l	99
25) Chloroform	5.086	83	45432	18.316	ug/l	96
26) Cyclohexane	5.458	56	32351	16.276	ug/l #	98
29) 1,1-Dichloropropene	5.690	75	27335	17.364	ug/l	98
30) 2-Butanone	4.562	43	94241	89.663	ug/l	100
31) 2,2-Dichloropropane	4.471	77	33648	18.592	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	38469	18.919	ug/l	99
33) Carbon Tetrachloride	5.672	117	33366	18.789	ug/l	98
34) Benzene	6.031	78	92346	17.865	ug/l	99
35) Methacrylonitrile	4.922	41	19040	18.357	ug/l	97
36) 1,2-Dichloroethane	6.086	62	32221	19.219	ug/l	96
37) Trichloroethene	7.123	130	25877	18.615	ug/l	93
38) Methylcyclohexane	7.379	83	34740	17.161	ug/l	98
39) 1,2-Dichloropropane	7.427	63	21862	17.205	ug/l	98
40) Dibromomethane	7.580	93	16766	18.279	ug/l	97
41) Bromodichloromethane	7.818	83	30796	17.902	ug/l	98
42) Vinyl Acetate	3.721	43	289587	85.160	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072624\
 Data File : VX042555.D
 Acq On : 25 Jul 2024 09:46
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

07/26/2024
 Supervised By :Mahesh
 Dadoda

Quant Time: Jul 26 01:31:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 11:30:14 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	33084	17.736	ug/l	100
44) Isopropyl Acetate	6.348	43	50303	17.167	ug/l	99
45) 1,4-Dioxane	7.665	88	11659	355.159	ug/l #	92
46) Methyl methacrylate	7.696	41	24978	17.492	ug/l	99
47) n-amyl Acetate	10.841	43	41417	15.907	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	29650	17.289	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	34007	17.642	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	24689	18.355	ug/l	94
51) Ethyl methacrylate	9.116	69	36338	17.275	ug/l	97
52) 1,3-Dichloropropane	9.305	76	39659	18.151	ug/l	98
53) Dibromochloromethane	9.519	129	26621	18.010	ug/l	100
54) 1,2-Dibromoethane	9.610	107	25612	18.309	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	97272	95.406	ug/l	99
56) Bromoform	10.799	173	20910	17.554	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	180066	90.855	ug/l	99
59) 2-Hexanone	9.433	43	139000	89.544	ug/l	99
61) Tetrachloroethene	9.269	164	26613	19.508	ug/l	95
62) Toluene	8.714	91	101231	18.006	ug/l	99
64) Chlorobenzene	10.079	112	69880	18.418	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	25300	18.531	ug/l	99
66) Ethyl Benzene	10.195	91	110234	17.992	ug/l	99
67) m/p-Xylenes	10.299	106	89290	36.451	ug/l	99
68) o-Xylene	10.640	106	43604	17.886	ug/l	98
69) Styrene	10.659	104	72742	17.741	ug/l	98
70) Isopropylbenzene	10.963	105	115779	18.627	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	38719	18.102	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	35188m	20.720	ug/l	
73) Bromobenzene	11.195	156	33092	18.630	ug/l	97
74) n-propylbenzene	11.305	91	124353	18.110	ug/l	100
75) 2-Chlorotoluene	11.366	91	81126	18.787	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	96276	18.540	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	10251	16.458	ug/l	91
78) 4-Chlorotoluene	11.451	91	87891	18.271	ug/l	98
79) tert-butylbenzene	11.713	119	101738	18.353	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	94915	18.165	ug/l	99
81) sec-Butylbenzene	11.890	105	119212	18.200	ug/l	99
82) p-Isopropyltoluene	12.006	119	105413	18.572	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	59061	18.511	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	58389	18.424	ug/l	100
85) n-Butylbenzene	12.335	91	76991	17.271	ug/l	100
86) Hexachloroethane	12.536	117	16579	17.177	ug/l	96
87) 1,2-Dichlorobenzene	12.335	146	60361	18.717	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	7782	17.760	ug/l	96
89) 1,2,4-Trichlorobenzene	13.585	180	38203	17.498	ug/l	98
90) Hexachlorobutadiene	13.725	225	21391	19.743	ug/l	99
91) Naphthalene	13.774	128	112914	17.344	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	40361	17.948	ug/l	97

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

