

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062024\
 Data File : VX041952.D
 Acq On : 20 Jun 2024 09:32
 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: Jun 21 03:12:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

06/21/2024
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	4.897	128	28538	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	159424	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	154553	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	60572	30.833	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.767%	
60) 4-Bromofluorobenzene	11.079	95	72713	30.394	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 101.300%	
63) Toluene-d8	8.647	98	197774	29.910	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 99.700%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	37883	20.507	ug/l	96
3) Chloromethane	1.300	50	40032	19.386	ug/l	98
4) Vinyl Chloride	1.374	62	39273	19.447	ug/l	100
5) Bromomethane	1.599	94	20600	19.083	ug/l	99
6) Chloroethane	1.666	64	18379	21.302	ug/l	99
7) Trichlorofluoromethane	1.867	101	53657	21.098	ug/l	98
8) Diethyl Ether	2.136	74	21818	19.823	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	34628	20.028	ug/l	99
10) 1,1-Dichloroethene	2.306	96	33933	19.456	ug/l	98
11) Methyl Iodide	2.441	142	41872	18.446	ug/l	99
12) Methyl Acetate	2.709	43	45809	20.601	ug/l	98
13) Acrolein	2.239	56	41198	91.887	ug/l	95
14) Acrylonitrile	3.068	53	103391	97.965	ug/l	97
15) Acetone	2.392	58	33291	110.267	ug/l	98
16) Carbon Disulfide	2.502	76	69968	18.306	ug/l	99
17) Allyl chloride	2.654	41	54241	20.478	ug/l	95
18) Methylene Chloride	2.788	84	39243	19.617	ug/l	92
19) trans-1,2-Dichloroethene	3.087	96	33876	19.390	ug/l	98
20) Diisopropyl ether	3.763	45	109609	20.132	ug/l	98
21) 1,1-Dichloroethane	3.605	63	61092	19.644	ug/l	100
22) cis-1,2-Dichloroethene	4.483	96	41298	19.527	ug/l	97
23) tert-Butyl Alcohol	2.995	59	35822	91.294	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	105165	19.493	ug/l	99
25) Chloroform	5.093	83	63543	20.105	ug/l	96
26) Cyclohexane	5.464	56	52096	19.286	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	41884	20.129	ug/l	98
30) 2-Butanone	4.562	43	149509	107.537	ug/l	99
31) 2,2-Dichloropropane	4.471	77	46278	20.298	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	53093	20.129	ug/l	99
33) Carbon Tetrachloride	5.666	117	46118	20.273	ug/l	96
34) Benzene	6.031	78	141013	20.344	ug/l	100
35) Methacrylonitrile	4.928	41	28833	20.647	ug/l	93
36) 1,2-Dichloroethane	6.086	62	45245	20.953	ug/l	99
37) Trichloroethene	7.123	130	38170	20.161	ug/l	99
38) Methylcyclohexane	7.373	83	54551	19.793	ug/l	99
39) 1,2-Dichloropropane	7.427	63	34130	20.671	ug/l	99
40) Dibromomethane	7.580	93	24712	20.232	ug/l	99
41) Bromodichloromethane	7.818	83	44308	20.249	ug/l	99
42) Vinyl Acetate	3.721	43	473112	101.664	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	50550	19.391	ug/l	98
44) Isopropyl Acetate	6.342	43	76958	19.710	ug/l	100
45) 1,4-Dioxane	7.665	88	18671	392.306	ug/l #	90
46) Methyl methacrylate	7.696	41	38465	20.149	ug/l	96
47) n-amyl Acetate	10.841	43	69621	19.868	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	44005	19.532	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	49693	19.663	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	37257	20.978	ug/l	99
51) Ethyl methacrylate	9.116	69	55311	19.605	ug/l	99
52) 1,3-Dichloropropane	9.305	76	60097	20.698	ug/l	97
53) Dibromochloromethane	9.519	129	39367	20.255	ug/l	98
54) 1,2-Dibromoethane	9.610	107	38668	20.647	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	144494	110.031	ug/l	99
56) Bromoform	10.799	173	30497	19.243	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	279493	100.920	ug/l	99
59) 2-Hexanone	9.433	43	220051	102.944	ug/l	99
61) Tetrachloroethene	9.275	164	37453	19.258	ug/l	97
62) Toluene	8.720	91	154809	19.794	ug/l	100
64) Chlorobenzene	10.079	112	104270	19.578	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	36337	19.756	ug/l	98
66) Ethyl Benzene	10.195	91	167721	19.615	ug/l	99
67) m/p-Xylenes	10.299	106	137422	39.956	ug/l	99
68) o-Xylene	10.640	106	66862	19.499	ug/l	100
69) Styrene	10.652	104	113041	19.728	ug/l	98
70) Isopropylbenzene	10.963	105	173998	20.182	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	60054	20.127	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	47926m	19.831	ug/l	
73) Bromobenzene	11.195	156	49737	19.777	ug/l	99
74) n-propylbenzene	11.305	91	191850	20.257	ug/l	99
75) 2-Chlorotoluene	11.360	91	120991	20.118	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	145544	20.150	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	15937	17.826	ug/l	96
78) 4-Chlorotoluene	11.451	91	133919	20.045	ug/l	100
79) tert-butylbenzene	11.713	119	152761	19.925	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	146004	20.233	ug/l	98
81) sec-Butylbenzene	11.890	105	181884	20.339	ug/l	100
82) p-Isopropyltoluene	12.006	119	158384	20.211	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	87717	19.562	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	89053	19.952	ug/l	99
85) n-Butylbenzene	12.329	91	120319	19.855	ug/l	99
86) Hexachloroethane	12.536	117	24509	19.151	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	89820	19.807	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	11613	18.816	ug/l	97
89) 1,2,4-Trichlorobenzene	13.585	180	56717	18.476	ug/l	99
90) Hexachlorobutadiene	13.725	225	29962	19.808	ug/l	97
91) Naphthalene	13.774	128	172029	18.547	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	61296	19.281	ug/l	99

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

