

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
 Data File : VX041795.D
 Acq On : 07 Jun 2024 17:53
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 08 04:09:34 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

06/10/2024
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	4.903	128	23864	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	134180	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	124418	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	59049	31.421	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.733%
60) 4-Bromofluorobenzene	11.079	95	58967	30.360	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.200%
63) Toluene-d8	8.647	98	159975	29.996	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25781	20.655	ug/l	96
3) Chloromethane	1.300	50	28566	20.899	ug/l	100
4) Vinyl Chloride	1.374	62	28721	19.958	ug/l	97
5) Bromomethane	1.593	94	16105	17.595	ug/l	100
6) Chloroethane	1.666	64	24287	33.381	ug/l	92
7) Trichlorofluoromethane	1.874	101	54330	24.873	ug/l	99
8) Diethyl Ether	2.136	74	22788	27.936	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	28536	22.528	ug/l	97
10) 1,1-Dichloroethene	2.306	96	27222	22.296	ug/l	92
11) Methyl Iodide	2.441	142	29509	20.292	ug/l	96
12) Methyl Acetate	2.709	43	60514	32.909	ug/l	96
13) Acrolein	2.239	56	24388	108.944	ug/l	98
14) Acrylonitrile	3.068	53	99363	122.904	ug/l	99
15) Acetone	2.392	58	28116	129.798	ug/l	98
16) Carbon Disulfide	2.501	76	49321	17.892	ug/l	99
17) Allyl chloride	2.660	41	48356	22.318	ug/l	97
18) Methylene Chloride	2.788	84	33498	23.068	ug/l	95
19) trans-1,2-Dichloroethene	3.087	96	28073	20.051	ug/l	96
20) Diisopropyl ether	3.770	45	102016	22.409	ug/l	93
21) 1,1-Dichloroethane	3.605	63	56614	22.158	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	36130	21.237	ug/l	96
23) tert-Butyl Alcohol	2.995	59	41484	120.915	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	100586	22.067	ug/l	99
25) Chloroform	5.092	83	60658	22.285	ug/l	99
26) Cyclohexane	5.464	56	42701	20.042	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	35507	20.005	ug/l	99
30) 2-Butanone	4.568	43	145182	123.231	ug/l	99
31) 2,2-Dichloropropane	4.477	77	39933	19.170	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	50209	21.082	ug/l	98
33) Carbon Tetrachloride	5.678	117	42630	20.920	ug/l	95
34) Benzene	6.037	78	122522	21.857	ug/l	98
35) Methacrylonitrile	4.922	41	29076	24.465	ug/l	96
36) 1,2-Dichloroethane	6.086	62	46564	22.260	ug/l	100
37) Trichloroethene	7.123	130	31866	20.403	ug/l	99
38) Methylcyclohexane	7.379	83	44613	19.795	ug/l	99
39) 1,2-Dichloropropane	7.427	63	30319	22.881	ug/l	98
40) Dibromomethane	7.580	93	23234	22.279	ug/l	97
41) Bromodichloromethane	7.824	83	42774	21.847	ug/l	100
42) Vinyl Acetate	3.727	43	445619	109.018	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	54285	23.880	ug/l	96
44) Isopropyl Acetate	6.348	43	79642	23.177	ug/l	99
45) 1,4-Dioxane	7.671	88	15578	401.984	ug/l #	85
46) Methyl methacrylate	7.696	41	39755	23.253	ug/l	98
47) n-amyl Acetate	10.841	43	69798	22.399	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	39970	20.328	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	44640	20.961	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	33535	23.115	ug/l	95
51) Ethyl methacrylate	9.116	69	51914	22.231	ug/l	96
52) 1,3-Dichloropropane	9.311	76	54740	22.834	ug/l	99
53) Dibromochloromethane	9.518	129	35178	21.311	ug/l	98
54) 1,2-Dibromoethane	9.610	107	34071	22.146	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	131744	115.584	ug/l	99
56) Bromoform	10.799	173	27868	21.072	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	285825	125.731	ug/l	99
59) 2-Hexanone	9.433	43	219519	121.213	ug/l	99
61) Tetrachloroethene	9.275	164	30433	19.993	ug/l	94
62) Toluene	8.720	91	134903	21.791	ug/l	99
64) Chlorobenzene	10.079	112	91076	21.658	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	33080	22.226	ug/l	99
66) Ethyl Benzene	10.195	91	148427	21.591	ug/l	98
67) m/p-Xylenes	10.299	106	117384	43.667	ug/l	100
68) o-Xylene	10.640	106	58295	21.543	ug/l	98
69) Styrene	10.659	104	97342	21.455	ug/l	99
70) Isopropylbenzene	10.963	105	150201	21.967	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	55912	23.804	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	44337m	20.930	ug/l	
73) Bromobenzene	11.195	156	42602	21.205	ug/l	99
74) n-propylbenzene	11.305	91	164574	21.345	ug/l	100
75) 2-Chlorotoluene	11.366	91	105896	21.872	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	123494	21.160	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	13433	20.175	ug/l	99
78) 4-Chlorotoluene	11.457	91	116394	21.107	ug/l	100
79) tert-butylbenzene	11.713	119	132966	21.406	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	126584	21.639	ug/l	100
81) sec-Butylbenzene	11.890	105	152901	21.065	ug/l	99
82) p-Isopropyltoluene	12.012	119	131883	20.756	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	74683	20.727	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	74001	20.325	ug/l	99
85) n-Butylbenzene	12.335	91	99546	19.470	ug/l	99
86) Hexachloroethane	12.536	117	21856	20.431	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	77742	21.139	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.945	75	11703	22.687	ug/l	97
89) 1,2,4-Trichlorobenzene	13.591	180	47007	19.023	ug/l	99
90) Hexachlorobutadiene	13.725	225	24271	20.132	ug/l	99
91) Naphthalene	13.774	128	157290	21.296	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	51274	20.309	ug/l	99

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

Manual Integrations

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