

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120823\
 Data File : VX039104.D
 Acq On : 08 Dec 2023 14:44
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Dec 08 23:48:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/11/2023
 Supervised By : Mahesh Dadoda 12/11/2023

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 Dadoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.897	128	10102	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	73896	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	88964	30.000	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	5.952	65	43404	31.406	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 104.700%	
60) 4-Bromofluorobenzene	11.079	95	58892	30.308	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 101.033%	
63) Toluene-d8	8.646	98	105978	30.130	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.433%	

12/11/2023

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	21862	14.459	ug/l	93
3) Chloromethane	1.294	50	31133	17.983	ug/l	98
4) Vinyl Chloride	1.373	62	27410	15.682	ug/l	97
5) Bromomethane	1.611	94	22243	20.807	ug/l	98
6) Chloroethane	1.690	64	18917	18.586	ug/l	97
7) Trichlorofluoromethane	1.892	101	37015	15.344	ug/l	98
8) Diethyl Ether	2.129	74	19594	21.160	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	23448	17.201	ug/l	98
10) 1,1-Dichloroethene	2.318	96	23549	17.138	ug/l	100
11) Methyl Iodide	2.452	142	27674	18.379	ug/l	92
12) Methyl Acetate	2.696	43	105321	24.575	ug/l	100
13) Acrolein	2.233	56	40666	108.317	ug/l	99
14) Acrylonitrile	3.056	53	123847	118.154	ug/l	97
15) Acetone	2.373	58	40483	106.252	ug/l	97
16) Carbon Disulfide	2.513	76	64700	15.547	ug/l	100
17) Allyl chloride	2.660	41	56249	20.621	ug/l	95
18) Methylene Chloride	2.788	84	35436	21.756	ug/l	98
19) trans-1,2-Dichloroethene	3.087	96	28326	18.227	ug/l	94
20) Diisopropyl ether	3.751	45	117934	22.719	ug/l	99
21) 1,1-Dichloroethane	3.605	63	59559	20.636	ug/l	97
22) cis-1,2-Dichloroethene	4.483	96	35672	19.806	ug/l	98
23) tert-Butyl Alcohol	2.940	59	59279	102.156	ug/l #	100
24) Methyl tert-Butyl Ether	3.105	73	112849	22.294	ug/l	100
25) Chloroform	5.092	83	59871	20.668	ug/l	94
26) Cyclohexane	5.464	56	41319	15.817	ug/l #	98
29) 1,1-Dichloropropene	5.684	75	37923	18.307	ug/l	96
30) 2-Butanone	4.544	43	187197	120.026	ug/l	99
31) 2,2-Dichloropropane	4.470	77	43997	18.576	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	44350	18.523	ug/l	99
33) Carbon Tetrachloride	5.678	117	34695	17.203	ug/l	92
34) Benzene	6.037	78	126502	20.963	ug/l	98
35) Methacrylonitrile	4.915	41	34601	25.046	ug/l	94
36) 1,2-Dichloroethane	6.086	62	50204	22.674	ug/l	100
37) Trichloroethene	7.122	130	29165	19.042	ug/l	100
38) Methylcyclohexane	7.378	83	42533	16.479	ug/l	95
39) 1,2-Dichloropropane	7.427	63	36680	23.048	ug/l	99
40) Dibromomethane	7.580	93	25136	22.354	ug/l	99
41) Bromodichloromethane	7.817	83	48095	22.264	ug/l	94
42) Vinyl Acetate	3.714	43	446025	120.069	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.702	43	65501	24.411	ug/l	99
44) Isopropyl Acetate	6.330	43	101287	23.946	ug/l	98
45) 1,4-Dioxane	7.653	88	16119	373.290	ug/l	97
46) Methyl methacrylate	7.689	41	58567	24.217	ug/l	95
47) n-amyl Acetate	10.841	43	81972	22.896	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	53268	21.266	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	56371	21.816	ug/l	97
50) 1,1,2-Trichloroethane	9.146	97	36102	23.635	ug/l	94
51) Ethyl methacrylate	9.116	69	45751	23.927	ug/l	94
52) 1,3-Dichloropropane	9.305	76	62214	23.753	ug/l	98
53) Dibromochloromethane	9.518	129	35038	21.359	ug/l	97
54) 1,2-Dibromoethane	9.610	107	37803	22.568	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	148764	122.746	ug/l	99
56) Bromoform	10.799	173	23827	20.125	ug/l	96
58) 4-Methyl-2-Pentanone	8.567	43	355338	131.713	ug/l	99
59) 2-Hexanone	9.427	43	279978	126.431	ug/l	98
61) Tetrachloroethene	9.274	164	21819	18.864	ug/l	95
62) Toluene	8.714	91	131186	20.770	ug/l	100
64) Chlorobenzene	10.079	112	79811	20.773	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.158	131	29849	21.572	ug/l	99
66) Ethyl Benzene	10.189	91	139801	19.438	ug/l	98
67) m/p-Xylenes	10.299	106	102377	38.522	ug/l	100
68) o-Xylene	10.640	106	50203	19.501	ug/l	96
69) Styrene	10.652	104	75768	19.887	ug/l	100
70) Isopropylbenzene	10.963	105	131197	19.048	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	62628	24.356	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	53841m	24.745	ug/l	
73) Bromobenzene	11.195	156	30894	19.701	ug/l	94
74) n-propylbenzene	11.305	91	157508	18.664	ug/l	99
75) 2-Chlorotoluene	11.359	91	96477	19.486	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	111838	18.847	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	19079	22.129	ug/l	99
78) 4-Chlorotoluene	11.451	91	110029	18.902	ug/l	100
79) tert-butylbenzene	11.713	119	107405	19.035	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	111535	18.781	ug/l	98
81) sec-Butylbenzene	11.890	105	130642	18.315	ug/l	99
82) p-Isopropyltoluene	12.006	119	110312	18.247	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	58453	19.477	ug/l	97
84) 1,4-Dichlorobenzene	12.042	146	57188	18.572	ug/l	99
85) n-Butylbenzene	12.329	91	108013	18.093	ug/l	98
86) Hexachloroethane	12.536	117	19868	17.345	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	56508	19.581	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.938	75	14566	22.150	ug/l	97
89) 1,2,4-Trichlorobenzene	13.585	180	35829	18.726	ug/l	98
90) Hexachlorobutadiene	13.725	225	12139	17.768	ug/l	99
91) Naphthalene	13.774	128	143420	20.325	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	35397	19.100	ug/l	99

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

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