

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102524\
 Data File : VX043533.D
 Acq On : 25 Oct 2024 19:06
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050775

Quant Time: Oct 26 01:38:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102524WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 26 01:33:53 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/28/2024
 Supervised By :Semsettin Yesilyurt 10/28/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	244242	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	220127	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	102704	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	65358	49.191	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.380%		
7) Chloroethane-d5	1.648	69	30919m	29.059	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	58.120%#		
11) 1,1-Dichloroethene-d2	2.294	65	28556	45.513	ug/L	-0.01
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.020%		
21) 2-Butanone-d5	4.471	46	112804	101.925	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	101.920%		
24) Chloroform-d	5.050	84	153770	50.040	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.080%		
26) 1,2-Dichloroethane-d4	5.952	65	99763	48.317	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.640%		
32) Benzene-d6	5.970	84	282683	50.588	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.180%		
36) 1,2-Dichloropropane-d6	7.305	67	88827	51.066	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.140%		
41) Toluene-d8	8.647	98	252258	49.309	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.620%		
43) trans-1,3-Dichloroprop...	8.952	79	40807	44.592	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.180%		
47) 2-Hexanone-d5	9.390	63	94059	109.027	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	109.030%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	141615	54.687	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	109.380%		
66) 1,2-Dichlorobenzene-d4	12.317	152	100168	53.734	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	95785	50.494	ug/L	99
3) Chloromethane	1.294	50	92983	53.292	ug/L	100
5) Vinyl chloride	1.374	62	90228	52.311	ug/L	97
6) Bromomethane	1.593	94	32938	32.353	ug/L	94
8) Chloroethane	1.660	64	31698m	30.993	ug/L	
9) Trichlorofluoromethane	1.861	101	114682	44.568	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.312	101	71352	46.304	ug/L	97
12) 1,1-Dichloroethene	2.306	96	64407	47.706	ug/L	89
13) Acetone	2.392	43	87934	87.268	ug/L	98
14) Carbon disulfide	2.501	76	125601	37.827	ug/L	99
15) Methyl Acetate	2.709	43	96558	51.478	ug/L	99
16) Methylene chloride	2.782	84	80057	51.194	ug/L	97
17) trans-1,2-Dichloroethene	3.087	96	68568	48.297	ug/L	97
18) Methyl tert-butyl Ether	3.117	73	272243	51.618	ug/L	99
19) 1,1-Dichloroethane	3.605	63	140795	50.302	ug/L	98
20) cis-1,2-Dichloroethene	4.483	96	86355	50.980	ug/L	97
22) 2-Butanone	4.568	43	136858	103.162	ug/L	99
23) Bromochloromethane	4.897	128	44140	49.740	ug/L	95
25) Chloroform	5.086	83	152471	50.313	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	125617	51.109	ug/L #	95
29) Cyclohexane	5.458	56	123264	48.899	ug/L	100
30) 1,1,1-Trichloroethane	5.379	97	131864	48.566	ug/L	99
31) Carbon tetrachloride	5.672	117	106910	45.871	ug/L	98
33) Benzene	6.031	78	308248	51.326	ug/L	100
34) Trichloroethene	7.123	95	79866	48.419	ug/L	94
35) Methylcyclohexane	7.373	83	121043	47.690	ug/L	99
37) 1,2-Dichloropropane	7.427	63	84686	52.926	ug/L	99
38) Bromodichloromethane	7.824	83	103473	46.972	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	131972	49.895	ug/L	96
40) 4-Methyl-2-pentanone	8.580	43	268545	107.718	ug/L	99
42) Toluene	8.714	91	327718	51.550	ug/L	98
44) trans-1,3-Dichloropropene	8.976	75	120647	48.710	ug/L	98
45) 1,1,2-Trichloroethane	9.153	97	88095	53.475	ug/L	99
46) Tetrachloroethene	9.269	164	57794	48.882	ug/L	96
48) 2-Hexanone	9.433	43	206019	108.183	ug/L	97
49) Dibromochloromethane	9.518	129	76744	47.065	ug/L	97
50) 1,2-Dibromoethane	9.610	107	92040	52.292	ug/L	99
51) Chlorobenzene	10.079	112	216827	51.657	ug/L	98
52) Ethylbenzene	10.195	91	363574	50.978	ug/L	96
53) m,p-Xylene	10.299	106	137417	51.532	ug/L	97
54) o-Xylene	10.640	106	140313	52.537	ug/L	97
55) Styrene	10.652	104	235589	52.502	ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.213	83	145655	56.029	ug/L	99
59) Bromoform	10.799	173	51505	46.495	ug/L	100
60) Isopropylbenzene	10.963	105	360679	51.113	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	113899	55.810	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	303068	52.358	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	305555	52.726	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	155885	50.894	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	157087	50.369	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	166692	54.737	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	30004	51.851	ug/L	85
69) 1,3,5-Trichlorobenzene	13.109	180	100886	49.023	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	94914	49.241	ug/L	100
71) Naphthalene	13.774	128	396790	54.522	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	100118	51.912	ug/L	97

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

