

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072824\
 Data File : VX042601.D
 Acq On : 26 Jul 2024 15:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050762

Quant Time: Jul 27 01:08:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML072624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 27 01:01:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/29/2024
 Supervised By : Mahesh Dadoda 07/29/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	177815	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	161883	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	74142	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	51134	47.334	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 94.660%			
7) Chloroethane-d5	1.642	69	22499m	50.542	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.080%			
11) 1,1-Dichloroethene-d2	2.294	65	25851	48.568	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.140%			
21) 2-Butanone-d5	4.458	46	92258	115.227	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 115.230%			
24) Chloroform-d	5.056	84	126323	53.424	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 106.840%			
26) 1,2-Dichloroethane-d4	5.952	65	81755	53.593	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 107.180%			
32) Benzene-d6	5.964	84	233984	52.080	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.160%			
36) 1,2-Dichloropropane-d6	7.305	67	71268	53.598	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 107.200%			
41) Toluene-d8	8.647	98	211517	52.508	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.020%			
43) trans-1,3-Dichloroprop...	8.951	79	35586	57.189	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 114.380%			
47) 2-Hexanone-d5	9.384	63	68271	114.837	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 114.840%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	103629	54.128	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 108.260%			
66) 1,2-Dichlorobenzene-d4	12.317	152	73460	52.427	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.860%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	75541	48.085	ug/L	100
3) Chloromethane	1.300	50	59385	45.712	ug/L	97
5) Vinyl chloride	1.374	62	56921	46.093	ug/L	95
6) Bromomethane	1.593	94	17774	46.001	ug/L	99
8) Chloroethane	1.666	64	22180m	49.056	ug/L	
9) Trichlorofluoromethane	1.867	101	81600m	46.683	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	2.318	101	60656	48.290	ug/L	100
12) 1,1-Dichloroethene	2.306	96	52953	46.065	ug/L	82
13) Acetone	2.392	43	63300	101.140	ug/L	100
14) Carbon disulfide	2.501	76	139002	49.524	ug/L	99
15) Methyl Acetate	2.703	43	70805	51.037	ug/L	98
16) Methylene chloride	2.782	84	63429	47.779	ug/L	99
17) trans-1,2-Dichloroethene	3.081	96	56130	47.580	ug/L	96
18) Methyl tert-butyl Ether	3.117	73	204044	49.901	ug/L	99
19) 1,1-Dichloroethane	3.605	63	109454	48.595	ug/L	97
20) cis-1,2-Dichloroethene	4.483	96	67755	50.284	ug/L	99
22) 2-Butanone	4.562	43	97938	102.747	ug/L	97
23) Bromochloromethane	4.897	128	32289m	50.605	ug/L	
25) Chloroform	5.086	83	118382	49.293	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	95379	50.005	ug/L #	95
29) Cyclohexane	5.458	56	93844	49.036	ug/L	98
30) 1,1,1-Trichloroethane	5.379	97	100302	48.507	ug/L	98
31) Carbon tetrachloride	5.672	117	84953	48.640	ug/L	100
33) Benzene	6.031	78	241735	48.795	ug/L	100
34) Trichloroethene	7.123	95	63173	47.729	ug/L	99
35) Methylcyclohexane	7.372	83	100439	50.138	ug/L	99
37) 1,2-Dichloropropane	7.427	63	63833	49.578	ug/L	99
38) Bromodichloromethane	7.824	83	81757	49.129	ug/L	99
39) cis-1,3-Dichloropropene	8.366	75	101113	51.162	ug/L	96
40) 4-Methyl-2-pentanone	8.573	43	182742	103.160	ug/L	98
42) Toluene	8.714	91	254802	49.936	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	92843	51.824	ug/L	98
45) 1,1,2-Trichloroethane	9.153	97	65829	50.621	ug/L	99
46) Tetrachloroethene	9.268	164	44974	49.824	ug/L	94
48) 2-Hexanone	9.433	43	142439	103.389	ug/L	98
49) Dibromochloromethane	9.518	129	61719	50.826	ug/L	89
50) 1,2-Dibromoethane	9.610	107	66888	49.455	ug/L #	100
51) Chlorobenzene	10.079	112	160878	48.756	ug/L	99
52) Ethylbenzene	10.195	91	278295	49.726	ug/L	100
53) m,p-Xylene	10.299	106	108248	51.343	ug/L	99
54) o-Xylene	10.640	106	106745	50.896	ug/L	97
55) Styrene	10.652	104	181481	51.909	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	105055	50.518	ug/L	98
59) Bromoform	10.799	173	40435	48.597	ug/L	96
60) Isopropylbenzene	10.963	105	278088	49.639	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	81585	47.564	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	230685	49.511	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	228695	49.710	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	115251	47.834	ug/L	97
65) 1,4-Dichlorobenzene	12.042	146	116786	48.124	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	115650	47.668	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.939	75	22520	49.282	ug/L	86
69) 1,3,5-Trichlorobenzene	13.115	180	73911	49.458	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	63699	48.606	ug/L	99
71) Naphthalene	13.774	128	256866	50.811	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	67729	49.892	ug/L	99

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

