

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072524\
 Data File : VX042503.D
 Acq On : 24 Jul 2024 09:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050756

Quant Time: Jul 25 01:30:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML070324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 24 03:44:32 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/25/2024
 Supervised By : Mahesh Dadoda 07/25/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	178738	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	166099	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	93216	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	38111	36.632	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.260%
7) Chloroethane-d5	1.648	69	25580	39.051	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.100%
11) 1,1-Dichloroethene-d2	2.294	65	21401	47.002	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.000%
21) 2-Butanone-d5	4.458	46	77118	102.861	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.860%
24) Chloroform-d	5.050	84	108510	51.874	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.740%
26) 1,2-Dichloroethane-d4	5.952	65	65770	53.269	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.540%
32) Benzene-d6	5.970	84	208960	48.671	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.340%
36) 1,2-Dichloropropane-d6	7.306	67	63875	49.438	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.880%
41) Toluene-d8	8.647	98	200854	50.203	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.400%
43) trans-1,3-Dichloroprop...	8.952	79	29925	53.590	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.180%
47) 2-Hexanone-d5	9.384	63	61222	104.390	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.390%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	98063	51.338	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.680%
66) 1,2-Dichlorobenzene-d4	12.317	152	92619	51.155	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	57577	45.035	ug/L	100
3) Chloromethane	1.301	50	46265	35.809	ug/L	99
5) Vinyl chloride	1.374	62	45803	36.044	ug/L	100
6) Bromomethane	1.599	94	26458	38.210	ug/L	100
8) Chloroethane	1.666	64	24165	38.151	ug/L	99
9) Trichlorofluoromethane	1.874	101	71365	43.151	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	60516	53.095	ug/L	98
12) 1,1-Dichloroethene	2.313	96	50896m	47.143	ug/L	
13) Acetone	2.386	43	63169	123.509	ug/L	97
14) Carbon disulfide	2.502	76	89662	33.383	ug/L	98
15) Methyl Acetate	2.709	43	65672	50.536	ug/L	98
16) Methylene chloride	2.788	84	60837	45.674	ug/L	99
17) trans-1,2-Dichloroethene	3.087	96	52004	46.833	ug/L	96
18) Methyl tert-butyl Ether	3.117	73	199568	54.960	ug/L	98
19) 1,1-Dichloroethane	3.605	63	104111	52.213	ug/L	98
20) cis-1,2-Dichloroethene	4.483	96	67110	51.444	ug/L	98
22) 2-Butanone	4.562	43	98332	114.856	ug/L	98
23) Bromochloromethane	4.897	128	35243	50.552	ug/L	97
25) Chloroform	5.086	83	116186	55.573	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	86478	55.815	ug/L	98
29) Cyclohexane	5.464	56	80039	44.588	ug/L	99
30) 1,1,1-Trichloroethane	5.379	97	99010	54.751	ug/L	100
31) Carbon tetrachloride	5.672	117	87989	55.704	ug/L	98
33) Benzene	6.031	78	229254	49.357	ug/L	100
34) Trichloroethene	7.123	95	66086	54.317	ug/L	98
35) Methylcyclohexane	7.379	83	90133	48.858	ug/L	99
37) 1,2-Dichloropropane	7.427	63	62765	52.665	ug/L	100
38) Bromodichloromethane	7.818	83	82428	56.480	ug/L	97
39) cis-1,3-Dichloropropene	8.366	75	99634	56.777	ug/L	99
40) 4-Methyl-2-pentanone	8.574	43	183887	108.177	ug/L	100
42) Toluene	8.714	91	257202	51.895	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	91458	58.130	ug/L	99
45) 1,1,2-Trichloroethane	9.153	97	70679	55.427	ug/L	98
46) Tetrachloroethene	9.275	164	60332	52.976	ug/L	96
48) 2-Hexanone	9.433	43	146554	109.785	ug/L	99
49) Dibromochloromethane	9.519	129	75270	57.958	ug/L	99
50) 1,2-Dibromoethane	9.610	107	72972	53.283	ug/L	98
51) Chlorobenzene	10.079	112	182788	53.727	ug/L	99
52) Ethylbenzene	10.195	91	295392	54.846	ug/L	99
53) m,p-Xylene	10.299	106	116971	53.957	ug/L	97
54) o-Xylene	10.640	106	117523	54.271	ug/L	97
55) Styrene	10.653	104	203234	56.325	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	111419	54.439	ug/L	99
59) Bromoform	10.799	173	64935	55.574	ug/L	98
60) Isopropylbenzene	10.963	105	317509	54.404	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	85930	51.914	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	241801	54.486	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	262507	55.194	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	158741	54.236	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	159927	54.017	ug/L	100
67) 1,2-Dichlorobenzene	12.335	146	163498	54.265	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.939	75	23099	54.514	ug/L	88
69) 1,3,5-Trichlorobenzene	13.109	180	123145	57.906	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	111611	57.702	ug/L	99
71) Naphthalene	13.774	128	334689	55.973	ug/L	100
72) 1,2,3-Trichlorobenzene	13.957	180	117202	57.342	ug/L	99

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

