

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041724\
 Data File : VX041128.D
 Acq On : 17 Apr 2024 15:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050736

Quant Time: Apr 18 02:04:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 01:57:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/18/2024
 Supervised By : Mahesh Dadoda 04/18/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	269351	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	249314	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	137438	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	90917	47.172	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.340%		
7) Chloroethane-d5	1.648	69	44010	45.885	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.780%		
11) 1,1-Dichloroethene-d2	2.288	65	39118	47.375	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.740%		
21) 2-Butanone-d5	4.471	46	130261	118.392	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	118.390%		
24) Chloroform-d	5.056	84	180914	50.997	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.000%		
26) 1,2-Dichloroethane-d4	5.952	65	115212	51.108	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.220%		
32) Benzene-d6	5.970	84	357045	49.718	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.440%		
36) 1,2-Dichloropropane-d6	7.305	67	105691	50.844	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.680%		
41) Toluene-d8	8.647	98	331703	49.238	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.480%		
43) trans-1,3-Dichloroprop...	8.952	79	49101	52.801	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	105.600%		
47) 2-Hexanone-d5	9.390	63	95027	112.597	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	112.600%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	161747	53.333	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	106.660%		
66) 1,2-Dichlorobenzene-d4	12.317	152	149449	50.564	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.120%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	78483	46.568	ug/L	99
3) Chloromethane	1.300	50	78603	48.720	ug/L	97
5) Vinyl chloride	1.374	62	82293	47.341	ug/L	100
6) Bromomethane	1.599	94	42898	47.095	ug/L	100
8) Chloroethane	1.666	64	30673m	45.008	ug/L	
9) Trichlorofluoromethane	1.855	101	117489	45.074	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.312	101	83031	47.029	ug/L	98
12) 1,1-Dichloroethene	2.300	96	71052	47.105	ug/L #	77
13) Acetone	2.398	43	93152	105.553	ug/L	99
14) Carbon disulfide	2.495	76	144033	47.035	ug/L	100
15) Methyl Acetate	2.709	43	100062	53.376	ug/L	99
16) Methylene chloride	2.782	84	84104	49.692	ug/L	97
17) trans-1,2-Dichloroethene	3.081	96	74055	48.586	ug/L	98
18) Methyl tert-butyl Ether	3.123	73	270263	51.506	ug/L	100
19) 1,1-Dichloroethane	3.605	63	142882	49.196	ug/L	99
20) cis-1,2-Dichloroethene	4.483	96	89992	49.527	ug/L	95
22) 2-Butanone	4.574	43	143798	108.756	ug/L	97
23) Bromochloromethane	4.903	128	47484	50.193	ug/L	96
25) Chloroform	5.092	83	156495	50.156	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	124691	50.640	ug/L	99
29) Cyclohexane	5.458	56	118426	47.218	ug/L	99
30) 1,1,1-Trichloroethane	5.379	97	131014	48.437	ug/L	99
31) Carbon tetrachloride	5.672	117	111741	48.054	ug/L	99
33) Benzene	6.031	78	319582	49.146	ug/L	100
34) Trichloroethene	7.123	95	83665	47.529	ug/L	98
35) Methylcyclohexane	7.379	83	126773	47.385	ug/L	99
37) 1,2-Dichloropropane	7.427	63	85088	50.460	ug/L	100
38) Bromodichloromethane	7.824	83	109200	50.663	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	131522	51.217	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	270850	108.084	ug/L	100
42) Toluene	8.720	91	346079	49.349	ug/L	97
44) trans-1,3-Dichloropropene	8.976	75	120418	51.466	ug/L	97
45) 1,1,2-Trichloroethane	9.153	97	92844	51.085	ug/L	99
46) Tetrachloroethene	9.275	164	79295	47.048	ug/L	99
48) 2-Hexanone	9.433	43	210793	108.313	ug/L	98
49) Dibromochloromethane	9.518	129	95150	51.540	ug/L	98
50) 1,2-Dibromoethane	9.610	107	97528	51.521	ug/L	100
51) Chlorobenzene	10.079	112	237612	48.612	ug/L	100
52) Ethylbenzene	10.195	91	381758	48.859	ug/L	100
53) m,p-Xylene	10.299	106	151336	48.926	ug/L	99
54) o-Xylene	10.640	106	154171	49.767	ug/L	100
55) Styrene	10.652	104	257535	49.958	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	149734	51.601	ug/L	99
59) Bromoform	10.799	173	79977	51.524	ug/L	99
60) Isopropylbenzene	10.963	105	400481	49.403	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	115702	51.064	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	331219	50.040	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	331415	50.340	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	199897	48.329	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	202787	48.061	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	208796	48.677	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.939	75	31752	54.915	ug/L	81
69) 1,3,5-Trichlorobenzene	13.109	180	153412	47.629	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	138499	47.682	ug/L	99
71) Naphthalene	13.774	128	446177	53.519	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	146842	48.425	ug/L	99

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

