

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052623\
 Data File : VW031243.D
 Acq On : 26 May 2023 09:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050355

Quant Time: May 27 00:46:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 25 01:11:46 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/29/2023
 Supervised By :Mahesh Dadoda 05/29/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	344067	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	310355	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	180369	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	138414	47.072	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.140%		
7) Chloroethane-d5	1.532	69	94695	41.803	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	83.600%		
11) 1,1-Dichloroethene-d2	2.063	65	49409	35.833	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.660%		
21) 2-Butanone-d5	3.793	46	174869	111.608	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	111.610%		
24) Chloroform-d	4.256	84	249434	47.950	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.900%		
26) 1,2-Dichloroethane-d4	4.947	65	163780	46.593	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.180%		
32) Benzene-d6	4.966	84	441500	52.475	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.960%		
36) 1,2-Dichloropropane-d6	5.995	67	141058	56.033	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	112.060%		
41) Toluene-d8	7.246	98	357331	45.506	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.020%		
43) trans-1,3-Dichloroprop...	7.558	79	60495	47.898	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.800%		
47) 2-Hexanone-d5	8.031	63	105893	107.887	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	107.890%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	204067	54.047	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	108.100%		
66) 1,2-Dichlorobenzene-d4	11.567	152	141980	43.804	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.600%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	116347	52.379	ug/L	99
3) Chloromethane	1.217	50	114949	47.269	ug/L	100
5) Vinyl chloride	1.285	62	123676	56.939	ug/L	98
6) Bromomethane	1.487	94	60876	50.009	ug/L	94
8) Chloroethane	1.552	64	64509	46.089	ug/L	95
9) Trichlorofluoromethane	1.716	101	172497	40.376	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	97456	43.257	ug/L	97
12) 1,1-Dichloroethene	2.073	96	72953	38.171	ug/L	87
13) Acetone	2.118	43	216836	106.451	ug/L	94
14) Carbon disulfide	2.246	76	177314	50.910	ug/L	98
15) Methyl Acetate	2.378	43	136270	58.863	ug/L	100
16) Methylene chloride	2.452	84	122208	57.436	ug/L	95
17) trans-1,2-Dichloroethene	2.700	96	84950	48.074	ug/L	92
18) Methyl tert-butyl Ether	2.709	73	346805	50.805	ug/L	94
19) 1,1-Dichloroethane	3.118	63	227501	56.493	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	106450	48.867	ug/L	87
22) 2-Butanone	3.873	43	245104	125.479	ug/L	96
23) Bromochloromethane	4.153	128	58415	48.798	ug/L	85
25) Chloroform	4.285	83	244190	54.281	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	186777	48.934	ug/L	96
29) Cyclohexane	4.590	56	136771	56.004	ug/L	90
30) 1,1,1-Trichloroethane	4.519	97	206343	54.181	ug/L	97
31) Carbon tetrachloride	4.741	117	182953	55.143	ug/L	99
33) Benzene	5.015	78	421844	56.736	ug/L	100
34) Trichloroethene	5.838	95	101446	50.920	ug/L	95
35) Methylcyclohexane	6.056	83	133483	50.493	ug/L	93
37) 1,2-Dichloropropane	6.098	63	126380m	61.756	ug/L	
38) Bromodichloromethane	6.439	83	165944	52.310	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	171643	54.392	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	359669	114.214	ug/L	97
42) Toluene	7.320	91	416322	51.753	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	168788	52.873	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	112094	50.196	ug/L	96
46) Tetrachloroethene	7.912	164	76116	44.494	ug/L	95
48) 2-Hexanone	8.082	43	322273	122.871	ug/L	96
49) Dibromochloromethane	8.182	129	124267	49.321	ug/L	94
50) 1,2-Dibromoethane	8.288	107	119092	53.639	ug/L	98
51) Chlorobenzene	8.818	112	270386	47.224	ug/L	93
52) Ethylbenzene	8.953	91	459614	49.903	ug/L	98
53) m,p-Xylene	9.079	106	167174	46.792	ug/L	93
54) o-Xylene	9.484	106	159877	45.362	ug/L	89
55) Styrene	9.503	104	305417	48.997	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.185	83	201405	54.891	ug/L	98
59) Bromoform	9.670	173	97940	46.829	ug/L	99
60) Isopropylbenzene	9.873	105	464731	48.176	ug/L	97
61) 1,2,3-Trichloropropane	10.214	75	165359	59.593	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	378174	47.694	ug/L	94
63) 1,2,4-Trimethylbenzene	10.857	105	390408	50.356	ug/L	95
64) 1,3-Dichlorobenzene	11.124	146	232746	47.089	ug/L	97
65) 1,4-Dichlorobenzene	11.217	146	245848	47.811	ug/L	96
67) 1,2-Dichlorobenzene	11.587	146	241194	48.092	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.371	75	43557	51.137	ug/L	85
69) 1,3,5-Trichlorobenzene	12.590	180	181146	47.409	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	160875	49.474	ug/L	98
71) Naphthalene	13.445	128	401278	47.509	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	170571	52.493	ug/L	98

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

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