

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060723\
 Data File : VW031389.D
 Acq On : 07 Jun 2023 10:51
 Operator : SY/MD
 Sample : VSTD01028
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010228

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/08/2023
 Supervised By : Mahesh Dadoda 06/08/2023

Quant Time: Jun 08 03:59:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 08 03:57:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	257794	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	262173	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	140917	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	24709	10.894	ug/L	0.00
7) Chloroethane-d5	1.532	69	19462	10.598	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	11323	10.533	ug/L	0.00
21) 2-Butanone-d5	3.818	46	33001m	20.309	ug/L	0.02
24) Chloroform-d	4.255	84	45166	10.469	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	30181	10.428	ug/L	0.00
32) Benzene-d6	4.969	84	76397	9.870	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	26983	10.029	ug/L	0.00
41) Toluene-d8	7.252	98	68543	9.640	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	12695	9.367	ug/L	0.00
47) 2-Hexanone-d5	8.037	63	16493m	16.324	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	33535	9.877	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	27228	10.416	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.104	85	10903	10.546	ug/L	98
3) Chloromethane	1.217	50	8687	10.355	ug/L	96
5) Vinyl chloride	1.281	62	10491	10.481	ug/L	94
6) Bromomethane	1.490	94	6304	10.479	ug/L	93
8) Chloroethane	1.551	64	8808	10.922	ug/L	98
9) Trichlorofluoromethane	1.715	101	25351	10.493	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	16164	10.346	ug/L	97
12) 1,1-Dichloroethene	2.072	96	10622	10.328	ug/L	89
13) Acetone	2.130	43	31179	21.262	ug/L	99
14) Carbon disulfide	2.243	76	9059	10.298	ug/L #	92
15) Methyl Acetate	2.384	43	24080	10.875	ug/L	95
16) Methylene chloride	2.452	84	16494	10.625	ug/L	91
17) trans-1,2-Dichloroethene	2.703	96	9748	9.997	ug/L	95
18) Methyl tert-butyl Ether	2.709	73	58802	9.811	ug/L	98
19) 1,1-Dichloroethane	3.117	63	35301	10.466	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	15606	9.844	ug/L	94
22) 2-Butanone	3.899	43	35238m	19.713	ug/L	
23) Bromochloromethane	4.156	128	8165	9.794	ug/L #	81
25) Chloroform	4.288	83	39107	10.398	ug/L	96
27) 1,2-Dichloroethane	5.053	62	28001	10.196	ug/L #	95
29) Cyclohexane	4.593	56	12796	9.113	ug/L	96
30) 1,1,1-Trichloroethane	4.519	97	31741	10.257	ug/L	99
31) Carbon tetrachloride	4.744	117	26140	10.168	ug/L	96
33) Benzene	5.021	78	57129	9.876	ug/L	100
34) Trichloroethene	5.841	95	19628	10.770	ug/L	98
35) Methylcyclohexane	6.056	83	14387m	9.230	ug/L	
37) 1,2-Dichloropropane	6.101	63	20567	9.878	ug/L	99
38) Bromodichloromethane	6.442	83	30555	10.026	ug/L #	96
39) cis-1,3-Dichloropropene	6.966	75	28314	9.102	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	62529	18.486	ug/L	95
42) Toluene	7.323	91	62756	9.692	ug/L	95
44) trans-1,3-Dichloropropene	7.590	75	28866	9.148	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.776	97	20977	9.747	ug/L	98
46) Tetrachloroethene	7.911	164	12104	10.230	ug/L	98
48) 2-Hexanone	8.088	43	47640	17.994	ug/L	96
49) Dibromochloromethane	8.185	129	22745	9.688	ug/L	98
50) 1,2-Dibromoethane	8.291	107	21043	10.156	ug/L	93
51) Chlorobenzene	8.821	112	49667	10.088	ug/L	98
52) Ethylbenzene	8.953	91	73072	9.068	ug/L	99
53) m,p-Xylene	9.082	106	26084	8.982	ug/L	86
54) o-Xylene	9.484	106	25686	8.768	ug/L	95
55) Styrene	9.503	104	45489	8.517	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.185	83	32060	9.718	ug/L	99
59) Bromoform	9.670	173	18443	10.214	ug/L	94
60) Isopropylbenzene	9.873	105	75886	9.424	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	30215	10.592	ug/L	98
62) 1,3,5-Trimethylbenzene	10.480	105	60255	9.061	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	57968	8.708	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	41242	10.006	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	43868	10.063	ug/L	100
67) 1,2-Dichlorobenzene	11.586	146	42142	9.974	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	7509	9.931	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	30341	9.562	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	23921	8.836	ug/L	97
71) Naphthalene	13.448	128	58144	7.836	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	24501	9.029	ug/L	97

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

