

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061423\
 Data File : VW031513.D
 Acq On : 14 Jun 2023 13:55
 Operator : SY/MD
 Sample : VSTD01034
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010234

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

Quant Time: Jun 15 00:17:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 15 00:16:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	223253	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	223675	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	124325	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	15675	8.531	ug/L	0.00
7) Chloroethane-d5	1.539	69	13521	9.302	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	65	7963	9.163	ug/L	0.00
21) 2-Butanone-d5	3.815	46	22875m	21.692	ug/L	0.02
24) Chloroform-d	4.265	84	38499	11.108	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.954	65	23723	10.306	ug/L	0.00
32) Benzene-d6	4.973	84	59641	9.683	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	21883	11.453	ug/L	0.00
41) Toluene-d8	7.252	98	52255	9.135	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	10200	10.708	ug/L	0.00
47) 2-Hexanone-d5	8.037	63	13978	18.580	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	33749	11.757	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	23380	10.262	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.111	85	24252	14.893	ug/L	99
3) Chloromethane	1.217	50	22847	13.397	ug/L	96
5) Vinyl chloride	1.288	62	22102	14.119	ug/L	100
6) Bromomethane	1.494	94	13671	14.657	ug/L	94
8) Chloroethane	1.555	64	17153	16.953	ug/L	92
9) Trichlorofluoromethane	1.719	101	36864	12.493	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	19155	12.321	ug/L	99
12) 1,1-Dichloroethene	2.076	96	16032	12.021	ug/L	94
13) Acetone	2.124	43	23446	18.007	ug/L	98
14) Carbon disulfide	2.249	76	47948	17.054	ug/L	98
15) Methyl Acetate	2.384	43	18595	11.656	ug/L	98
16) Methylene chloride	2.455	84	21163	14.002	ug/L	99
17) trans-1,2-Dichloroethene	2.700	96	15626	12.313	ug/L	94
18) Methyl tert-butyl Ether	2.712	73	52066	11.048	ug/L	99
19) 1,1-Dichloroethane	3.124	63	36517	12.892	ug/L	96
20) cis-1,2-Dichloroethene	3.831	96	17247	11.398	ug/L	92
22) 2-Butanone	3.896	43	28702m	22.094	ug/L	
23) Bromochloromethane	4.166	128	9816	11.877	ug/L	90
25) Chloroform	4.288	83	37400	12.001	ug/L	78
27) 1,2-Dichloroethane	5.053	62	29077	11.298	ug/L	98
29) Cyclohexane	4.590	56	24254	12.094	ug/L	99
30) 1,1,1-Trichloroethane	4.523	97	35423	12.163	ug/L	98
31) Carbon tetrachloride	4.745	117	30395	11.879	ug/L	99
33) Benzene	5.021	78	70469	12.162	ug/L	100
34) Trichloroethene	5.844	95	18892	12.163	ug/L	97
35) Methylcyclohexane	6.056	83	23712	11.144	ug/L	93
37) 1,2-Dichloropropane	6.101	63	20139	12.425	ug/L	# 91
38) Bromodichloromethane	6.442	83	28271	11.639	ug/L	97
39) cis-1,3-Dichloropropene	6.963	75	25716	10.307	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	43919	18.605	ug/L	95
42) Toluene	7.323	91	67387	10.793	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	26908	10.809	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.777	97	19928	11.672	ug/L	98
46) Tetrachloroethene	7.915	164	14394	11.004	ug/L	96
48) 2-Hexanone	8.088	43	33222	17.166	ug/L	96
49) Dibromochloromethane	8.185	129	21950	11.419	ug/L	95
50) 1,2-Dibromoethane	8.291	107	20832	12.005	ug/L #	99
51) Chlorobenzene	8.822	112	48326	11.125	ug/L	95
52) Ethylbenzene	8.953	91	72935	10.261	ug/L	100
53) m,p-Xylene	9.079	106	26344	9.663	ug/L	98
54) o-Xylene	9.484	106	24962	9.363	ug/L	96
55) Styrene	9.503	104	42947	9.068	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	32303	11.483	ug/L	93
59) Bromoform	9.670	173	14406	9.672	ug/L #	98
60) Isopropylbenzene	9.873	105	69847	9.968	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	25028	12.389	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	54653	9.439	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	49927	8.924	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	37846	10.695	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	42189	11.455	ug/L	97
67) 1,2-Dichlorobenzene	11.587	146	38731	10.838	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	7065	11.421	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	28830	10.567	ug/L	97
70) 1,2,4-trichlorobenzene	13.207	180	23347	10.065	ug/L	98
71) Naphthalene	13.448	128	55426	9.143	ug/L	98
72) 1,2,3-Trichlorobenzene	13.686	180	25247	10.735	ug/L	99

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

