

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
 Data File : VW031670.D
 Acq On : 11 Jul 2023 10:25
 Operator : SY/MD
 Sample : VSTD00539
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005239

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/12/2023
 Supervised By : Mahesh Dadoda 07/12/2023

Quant Time: Jul 12 07:32:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:24:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	212503	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	219361	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	127069	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	10944	7.313	ug/L	0.00
7) Chloroethane-d5	1.536	69	8071	6.261	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	4190	5.525	ug/L	0.00
21) 2-Butanone-d5	3.828	46	8884m	7.728	ug/L	0.03
24) Chloroform-d	4.259	84	17163	4.748	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.957	65	9874	4.426	ug/L	0.00
32) Benzene-d6	4.973	84	26451	4.248	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	10062	4.597	ug/L	0.00
41) Toluene-d8	7.252	98	20966	3.654	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.567	79	3861	3.654	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	3995	4.742	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	13586	4.135	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	9362	3.898	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	15794	6.777	ug/L	100
3) Chloromethane	1.217	50	15855	7.186	ug/L	99
5) Vinyl chloride	1.285	62	14530	6.671	ug/L	98
6) Bromomethane	1.490	94	8239	5.893	ug/L	90
8) Chloroethane	1.552	64	7102	5.085	ug/L	99
9) Trichlorofluoromethane	1.716	101	17352	4.858	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	10929	5.629	ug/L	98
12) 1,1-Dichloroethene	2.072	96	9626	5.920	ug/L	98
13) Acetone	2.121	43	14992	13.201	ug/L	99
14) Carbon disulfide	2.246	76	24990	5.036	ug/L	99
15) Methyl Acetate	2.381	43	8427	4.364	ug/L #	90
16) Methylene chloride	2.452	84	10391	5.167	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	6701	4.010	ug/L	92
18) Methyl tert-butyl Ether	2.709	73	19339	3.539	ug/L	97
19) 1,1-Dichloroethane	3.117	63	15670	4.380	ug/L	95
20) cis-1,2-Dichloroethene	3.825	96	7640	4.273	ug/L	90
22) 2-Butanone	3.902	43	11982m	8.335	ug/L	
23) Bromochloromethane	4.159	128	4337	4.420	ug/L	86
25) Chloroform	4.288	83	17545	4.714	ug/L	90
27) 1,2-Dichloroethane	5.050	62	11766	4.124	ug/L #	94
29) Cyclohexane	4.584	56	9197	3.235	ug/L #	85
30) 1,1,1-Trichloroethane	4.516	97	15742	4.495	ug/L	99
31) Carbon tetrachloride	4.741	117	15385	4.960	ug/L	94
33) Benzene	5.018	78	28357	3.882	ug/L	100
34) Trichloroethene	5.841	95	8882	4.494	ug/L	81
35) Methylcyclohexane	6.056	83	10791m	3.775	ug/L	
37) 1,2-Dichloropropane	6.104	63	9096	4.266	ug/L #	97
38) Bromodichloromethane	6.439	83	12726	4.387	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	10507	3.335	ug/L	97
40) 4-Methyl-2-pentanone	7.169	43	14404	5.761	ug/L #	93
42) Toluene	7.323	91	25981	3.421	ug/L	95
44) trans-1,3-Dichloropropene	7.590	75	10416m	3.385	ug/L	

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45) 1,1,2-Trichloroethane	7.776	97	9251	4.551	ug/L #	79
46) Tetrachloroethene	7.911	164	6369	4.130	ug/L	95
48) 2-Hexanone	8.092	43	13068m	6.448	ug/L	
49) Dibromochloromethane	8.185	129	10108	4.463	ug/L	93
50) 1,2-Dibromoethane	8.294	107	8724	4.018	ug/L #	88
51) Chlorobenzene	8.821	112	21978	4.378	ug/L	95
52) Ethylbenzene	8.953	91	27228	3.243	ug/L	97
53) m,p-Xylene	9.079	106	8988	2.897	ug/L	89
54) o-Xylene	9.484	106	8790	3.012	ug/L	91
55) Styrene	9.503	104	13689	2.593	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.185	83	13444	4.106	ug/L	85
59) Bromoform	9.670	173	6823	4.295	ug/L #	51
60) Isopropylbenzene	9.876	105	23312	2.914	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	10091	4.004	ug/L	95
62) 1,3,5-Trimethylbenzene	10.480	105	19978	3.034	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	18507	2.965	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	16623	4.095	ug/L	92
65) 1,4-Dichlorobenzene	11.217	146	18439	4.252	ug/L	96
67) 1,2-Dichlorobenzene	11.587	146	15734	3.830	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.371	75	3260	4.315	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	11929	3.858	ug/L	94
70) 1,2,4-trichlorobenzene	13.204	180	9863	3.655	ug/L	95
71) Naphthalene	13.445	128	23573	3.397	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	10129	3.614	ug/L	98

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

