

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012122\
 Data File : VW024423.D
 Acq On : 21 Jan 2022 13:53
 Operator : SY/MD
 Sample : VSTD10078
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100278

Quant Time: Jan 24 02:14:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM012122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 24 02:12:48 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/24/2022
 Supervised By : Mahesh Dadoda 01/24/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	148321	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	138845	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	86610	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.311	65	91163	93.461	ug/L	0.00
7) Chloroethane-d5	1.571	69	53948	96.101	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.111	63	139801	89.498	ug/L	0.00
21) 2-Butanone-d5	3.883	46	91152	206.030	ug/L	0.00
24) Chloroform-d	4.343	84	204151	103.389	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.024	65	146702	100.732	ug/L	0.00
32) Benzene-d6	5.047	84	341209	102.340	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.063	67	77438	104.084	ug/L	0.00
41) Toluene-d8	7.310	98	352515	101.331	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.616	79	59511	104.772	ug/L	0.00
47) 2-Hexanone-d5	8.082	63	69001	215.396	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.214	84	107248	97.871	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.622	152	173073	97.446	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	160194	96.280	ug/L	96
3) Chloromethane	1.243	50	94204	93.454	ug/L	99
5) Vinyl chloride	1.314	62	111116	94.558	ug/L	99
6) Bromomethane	1.526	94	60462	94.700	ug/L	97
8) Chloroethane	1.587	64	49653	97.871	ug/L	98
9) Trichlorofluoromethane	1.754	101	227523	100.724	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	73571	91.225	ug/L	97
12) 1,1-Dichloroethene	2.118	96	70995	90.429	ug/L	99
13) Acetone	2.185	43	73490m	134.053	ug/L	
14) Carbon disulfide	2.294	76	203775	90.426	ug/L	99
15) Methyl Acetate	2.433	43	67296	115.507	ug/L	96
16) Methylene chloride	2.507	84	98889	109.692	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	102343	111.652	ug/L	99
18) Methyl tert-butyl Ether	2.764	73	341178	109.696	ug/L	99
19) 1,1-Dichloroethane	3.185	63	151183	104.594	ug/L	98
20) cis-1,2-Dichloroethene	3.905	96	109099	104.115	ug/L	98
22) 2-Butanone	3.966	43	101079	187.700	ug/L #	63
23) Bromochloromethane	4.243	128	63578	104.859	ug/L	98
25) Chloroform	4.371	83	197439	100.724	ug/L	100
27) 1,2-Dichloroethane	5.124	62	175262	101.222	ug/L	98
29) Cyclohexane	4.674	56	121049	108.039	ug/L	98
30) 1,1,1-Trichloroethane	4.603	97	218026	102.143	ug/L	98
31) Carbon tetrachloride	4.825	117	212178	101.508	ug/L	99
33) Benzene	5.095	78	365542	103.585	ug/L	100
34) Trichloroethene	5.908	95	110856	101.138	ug/L	97
35) Methylcyclohexane	6.127	83	164201	106.406	ug/L	97
37) 1,2-Dichloropropane	6.169	63	71540	109.458	ug/L	100
38) Bromodichloromethane	6.503	83	145591	101.701	ug/L	100
39) cis-1,3-Dichloropropene	7.021	75	146925	105.505	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	181890	209.433	ug/L	99
42) Toluene	7.384	91	439553	100.293	ug/L	98
44) trans-1,3-Dichloropropene	7.645	75	164359	105.178	ug/L	98

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

45) 1,1,2-Trichloroethane	7.834	97	89840	101.731	ug/L	98
46) Tetrachloroethene	7.973	164	110511	99.550	ug/L	97
48) 2-Hexanone	8.137	43	144361	208.616	ug/L	98
49) Dibromochloromethane	8.243	129	131338	105.429	ug/L	96
50) 1,2-Dibromoethane	8.349	107	97975	103.219	ug/L	98
51) Chlorobenzene	8.876	112	302973	100.540	ug/L	97
52) Ethylbenzene	9.008	91	488356	102.701	ug/L	99
53) m,p-Xylene	9.133	106	204503	102.310	ug/L	98
54) o-Xylene	9.542	106	196703	102.134	ug/L	99
55) Styrene	9.558	104	336139	102.492	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	109860	100.358	ug/L	97
59) Bromoform	9.728	173	102075	106.097	ug/L	100
60) Isopropylbenzene	9.928	105	540496	105.109	ug/L	99
61) 1,2,3-Trichloropropane	10.272	75	103139	98.059	ug/L	98
62) 1,3,5-Trimethylbenzene	10.535	105	488217	101.633	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	491524	102.692	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	284423	98.278	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	285724	98.515	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	278814	99.385	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	36489	106.192	ug/L	96
69) 1,3,5-Trichlorobenzene	12.644	180	238658	102.515	ug/L	98
70) 1,2,4-trichlorobenzene	13.259	180	211856	102.528	ug/L	99
71) Naphthalene	13.500	128	530568	99.974	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	201632	102.409	ug/L	97

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

