

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101023\
 Data File : VU055710.D
 Acq On : 10 Oct 2023 09:52
 Operator : MD/SY
 Sample : VSTD00535
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005035

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/11/2023
 Supervised By : Mahesh Dadoda 10/11/2023

Quant Time: Oct 11 04:59:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 11 04:58:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	368868	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	386950	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	196152	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	16665	5.716	ug/L	0.00
7) Chloroethane-d5	1.914	69	13574	4.835	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.570	63	29091	6.599	ug/L	0.00
21) 2-Butanone-d5	4.627	46	21546m	11.037	ug/L	0.02
24) Chloroform-d	5.062	84	32577	6.775	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.701	65	18963	6.497	ug/L	0.00
32) Benzene-d6	5.727	84	58278	5.908	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.688	67	19274	5.857	ug/L	0.00
41) Toluene-d8	7.897	98	50249	5.395	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	7866	4.749	ug/L	0.00
47) 2-Hexanone-d5	8.634	63	10671m	7.217	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.756	84	27740	4.827	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	18751	5.462	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	15955	5.696	ug/L	99
3) Chloromethane	1.521	50	15478	5.011	ug/L	98
5) Vinyl chloride	1.605	62	16627	4.273	ug/L	98
6) Bromomethane	1.856	94	10487	4.357	ug/L	99
8) Chloroethane	1.933	64	11389	4.266	ug/L	96
9) Trichlorofluoromethane	2.142	101	23891	3.906	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.583	101	15769	6.338	ug/L	95
12) 1,1-Dichloroethene	2.583	96	13132	5.666	ug/L	84
13) Acetone	2.621	43	23421	13.925	ug/L	100
14) Carbon disulfide	2.795	76	41927	6.111	ug/L	99
15) Methyl Acetate	2.946	43	16908	6.194	ug/L	100
16) Methylene chloride	3.046	84	17192	6.127	ug/L	95
17) trans-1,2-Dichloroethene	3.354	96	13264	5.522	ug/L	95
18) Methyl tert-butyl Ether	3.357	73	40990	5.001	ug/L	99
19) 1,1-Dichloroethane	3.865	63	28528	6.132	ug/L	98
20) cis-1,2-Dichloroethene	4.666	96	14244	5.008	ug/L	96
22) 2-Butanone	4.708	43	27332m	12.178	ug/L	
23) Bromochloromethane	4.978	128	7743	5.321	ug/L #	95
25) Chloroform	5.087	83	29909	6.137	ug/L	99
27) 1,2-Dichloroethane	5.795	62	22913	6.087	ug/L	98
29) Cyclohexane	5.389	56	19231	4.479	ug/L	94
30) 1,1,1-Trichloroethane	5.316	97	24929	5.688	ug/L	99
31) Carbon tetrachloride	5.525	117	22075	5.828	ug/L	94
33) Benzene	5.775	78	58547	5.212	ug/L	100
34) Trichloroethene	6.544	95	16539	5.734	ug/L	98
35) Methylcyclohexane	6.762	83	21118	4.570	ug/L	94
37) 1,2-Dichloropropane	6.791	63	16047	5.177	ug/L #	97
38) Bromodichloromethane	7.103	83	21903	5.522	ug/L #	94
39) cis-1,3-Dichloropropene	7.608	75	23158	4.599	ug/L	97
40) 4-Methyl-2-pentanone	7.791	43	39461	8.464	ug/L	97
42) Toluene	7.968	91	57317	4.601	ug/L	97
44) trans-1,3-Dichloropropene	8.213	75	20764	4.370	ug/L	99

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

45) 1,1,2-Trichloroethane	8.399	97	16229	5.191	ug/L	92
46) Tetrachloroethene	8.553	164	11626	5.328	ug/L	95
48) 2-Hexanone	8.685	43	33378m	8.555	ug/L	
49) Dibromochloromethane	8.811	129	16410	5.101	ug/L	98
50) 1,2-Dibromoethane	8.923	107	17306	5.164	ug/L	97
51) Chlorobenzene	9.444	112	40494	5.044	ug/L	98
52) Ethylbenzene	9.569	91	61922	4.361	ug/L	99
53) m,p-Xylene	9.695	106	22090	4.083	ug/L	99
54) o-Xylene	10.100	106	22110	4.052	ug/L	95
55) Styrene	10.116	104	33904	3.572	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	26196	4.366	ug/L	100
59) Bromoform	10.290	173	12288	5.081	ug/L	92
60) 1,2,3-Trichloropropane	10.820	75	22360	5.794	ug/L	99
61) Isopropylbenzene	10.483	105	55171	4.323	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	39150	3.730	ug/L	98
63) 1,2,4-Trimethylbenzene	11.470	105	37627	3.610	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	29036	4.870	ug/L	92
65) 1,4-Dichlorobenzene	11.836	146	30788	5.114	ug/L	92
67) 1,2-Dichlorobenzene	12.212	146	29209	4.897	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.997	75	5036	4.686	ug/L	95
69) 1,3,5-Trichlorobenzene	13.222	180	17254	4.338	ug/L	97
70) 1,2,4-trichlorobenzene	13.843	180	12677	3.729	ug/L	95
71) Naphthalene	14.090	128	29621	2.685	ug/L	98
72) 1,2,3-Trichlorobenzene	14.331	180	12229	3.664	ug/L	99

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

