

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020823\
 Data File : VU052998.D
 Acq On : 08 Feb 2023 13:12
 Operator : JC/MD
 Sample : VSTD10076
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100076

Quant Time: Feb 09 00:36:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 09 00:33:30 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/09/2023
 Supervised By : Mahesh Dadoda 02/09/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	319825	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	304068	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	176151	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	296292	121.463	ug/L	0.00
7) Chloroethane-d5	1.913	69	240422	120.680	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.566	63	454853	99.529	ug/L	0.00
21) 2-Butanone-d5	4.624	46	237806	174.267	ug/L	0.00
24) Chloroform-d	5.058	84	492824	100.047	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	290305	93.897	ug/L	0.00
32) Benzene-d6	5.723	84	1017385	107.674	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	309900	110.878	ug/L	0.00
41) Toluene-d8	7.894	98	987359	113.086	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	174435	121.527	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	196503	208.126	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.752	84	433877	106.084	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.186	152	397252	112.792	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	247079	84.551	ug/L	100
3) Chloromethane	1.518	50	220353	89.935	ug/L	99
5) Vinyl chloride	1.605	62	276929	100.253	ug/L	97
6) Bromomethane	1.859	94	197388	111.294	ug/L	99
8) Chloroethane	1.936	64	171452	99.129	ug/L	96
9) Trichlorofluoromethane	2.138	101	432422	94.814	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	218434	86.772	ug/L	97
12) 1,1-Dichloroethene	2.579	96	207059	89.092	ug/L	91
13) Acetone	2.640	43	181845	113.132	ug/L	93
14) Carbon disulfide	2.791	76	613961	87.636	ug/L	99
15) Methyl Acetate	2.949	43	145551m	67.239	ug/L	
16) Methylene chloride	3.042	84	231934	84.380	ug/L	94
17) trans-1,2-Dichloroethene	3.350	96	219705	87.942	ug/L	95
18) Methyl tert-butyl Ether	3.357	73	683992	92.514	ug/L	97
19) 1,1-Dichloroethane	3.865	63	375166	86.019	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	248254	92.177	ug/L #	96
22) 2-Butanone	4.704	43	235358	136.672	ug/L	85
23) Bromochloromethane	4.971	128	134505	89.786	ug/L	93
25) Chloroform	5.083	83	423962	86.458	ug/L	100
27) 1,2-Dichloroethane	5.788	62	300789	79.052	ug/L	98
29) Cyclohexane	5.386	56	340151	95.420	ug/L	95
30) 1,1,1-Trichloroethane	5.312	97	383223	87.506	ug/L	98
31) Carbon tetrachloride	5.521	117	340283	89.577	ug/L	100
33) Benzene	5.768	78	913345	89.835	ug/L	100
34) Trichloroethene	6.537	95	248731	94.840	ug/L	99
35) Methylcyclohexane	6.759	83	416105	99.688	ug/L	94
37) 1,2-Dichloropropane	6.784	63	227509	90.686	ug/L	98
38) Bromodichloromethane	7.099	83	335680	90.761	ug/L	100
39) cis-1,3-Dichloropropene	7.601	75	397125	99.335	ug/L	97
40) 4-Methyl-2-pentanone	7.784	43	439240	155.119	ug/L	93
42) Toluene	7.964	91	1029228	97.473	ug/L	94
44) trans-1,3-Dichloropropene	8.206	75	389655	99.491	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.395	97	236264	91.880	ug/L	98
46) Tetrachloroethene	8.550	164	197516	88.889	ug/L	96
48) 2-Hexanone	8.678	43	350588	147.735	ug/L	92
49) Dibromochloromethane	8.804	129	291506	94.261	ug/L	100
50) 1,2-Dibromoethane	8.919	107	264464	95.008	ug/L	100
51) Chlorobenzene	9.443	112	664658	91.833	ug/L	98
52) Ethylbenzene	9.566	91	1133739	99.881	ug/L	99
53) m,p-Xylene	9.688	106	449377	98.339	ug/L	97
54) o-xylene	10.096	106	448851	102.799	ug/L	94
55) Styrene	10.109	104	769080	102.867	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	371969	90.046	ug/L	100
59) Bromoform	10.286	173	227717	94.871	ug/L	97
60) 1,2,3-Trichloropropane	10.816	75	275952	82.973	ug/L	98
61) Isopropylbenzene	10.479	105	1166348	102.006	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	1034776	107.806	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	1011209	108.916	ug/L	96
64) 1,3-Dichlorobenzene	11.739	146	540340	94.255	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	542759	91.915	ug/L	98
67) 1,2-Dichlorobenzene	12.205	146	537405	93.427	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	85637	88.941	ug/L	97
69) 1,3,5-Trichlorobenzene	13.212	180	421729	97.966	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	393033	107.367	ug/L	98
71) Naphthalene	14.080	128	1159110	110.776	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	384344	101.038	ug/L	98

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

