

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054789.D
 Acq On : 17 Jul 2023 10:14
 Operator : MD/SY
 Sample : VSTD01030
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010030

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 05:33:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	230571	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	222241	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	121198	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	16708	9.376	ug/L	0.00
7) Chloroethane-d5	1.878	69	18497m	10.376	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	23550	9.212	ug/L	0.00
21) 2-Butanone-d5	4.627	46	20408m	17.816	ug/L	0.01
24) Chloroform-d	5.062	84	25048	9.029	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	15111	9.097	ug/L	0.00
32) Benzene-d6	5.721	84	48945	9.246	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	16147	9.058	ug/L	0.00
41) Toluene-d8	7.894	98	42882	8.501	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	7782	8.534	ug/L	0.00
47) 2-Hexanone-d5	8.634	63	14418	17.111	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	28446	8.688	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	17501	8.403	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	16679	9.572	ug/L	97
3) Chloromethane	1.518	50	21212	10.674	ug/L	99
5) Vinyl chloride	1.602	62	26292	10.176	ug/L	98
6) Bromomethane	1.827	94	16883	10.736	ug/L	100
8) Chloroethane	1.904	64	17515	9.799	ug/L	99
9) Trichlorofluoromethane	2.120	101	41284	9.983	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	14964	9.809	ug/L	97
12) 1,1-Dichloroethene	2.566	96	13960	9.731	ug/L	99
13) Acetone	2.624	43	18885	19.601	ug/L	99
14) Carbon disulfide	2.782	76	40147	9.584	ug/L	98
15) Methyl Acetate	2.943	43	16137	10.042	ug/L	97
16) Methylene chloride	3.039	84	17696	10.218	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	15105	10.172	ug/L	92
18) Methyl tert-butyl Ether	3.357	73	50845	9.894	ug/L	98
19) 1,1-Dichloroethane	3.859	63	28993	10.232	ug/L	96
20) cis-1,2-Dichloroethene	4.660	96	18154	10.286	ug/L	92
22) 2-Butanone	4.705	43	24526	18.641	ug/L	94
23) Bromochloromethane	4.971	128	8904	9.916	ug/L	96
25) Chloroform	5.084	83	29462	9.916	ug/L	97
27) 1,2-Dichloroethane	5.788	62	22834	10.119	ug/L	96
29) Cyclohexane	5.380	56	25799	10.557	ug/L	95
30) 1,1,1-Trichloroethane	5.309	97	24318	9.860	ug/L #	85
31) Carbon tetrachloride	5.518	117	21877	10.271	ug/L	98
33) Benzene	5.769	78	64925	10.196	ug/L	100
34) Trichloroethene	6.537	95	16319	10.068	ug/L	93
35) Methylcyclohexane	6.756	83	26504	10.006	ug/L	98
37) 1,2-Dichloropropane	6.785	63	17786	10.156	ug/L #	93
38) Bromodichloromethane	7.100	83	22557	10.040	ug/L	93
39) cis-1,3-Dichloropropene	7.605	75	27266	9.440	ug/L	90
40) 4-Methyl-2-pentanone	7.788	43	52718	19.660	ug/L	100
42) Toluene	7.965	91	70487	9.893	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	26196	9.654	ug/L	96

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45) 1,1,2-Trichloroethane	8.396	97	18174	10.179	ug/L	94
46) Tetrachloroethene	8.550	164	12344	9.934	ug/L	90
48) 2-Hexanone	8.685	43	41879	19.324	ug/L	99
49) Dibromochloromethane	8.807	129	17671	9.609	ug/L	99
50) 1,2-Dibromoethane	8.920	107	18941	9.856	ug/L #	95
51) Chlorobenzene	9.444	112	44230	9.542	ug/L	99
52) Ethylbenzene	9.566	91	81258	9.864	ug/L	100
53) m,p-Xylene	9.692	106	30337	9.673	ug/L	98
54) o-Xylene	10.097	106	29921	9.391	ug/L	95
55) Styrene	10.113	104	51971	9.365	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.778	83	34724	9.851	ug/L	98
59) Bromoform	10.286	173	14899	9.828	ug/L #	98
60) 1,2,3-Trichloropropane	10.820	75	24369	10.305	ug/L	97
61) Isopropylbenzene	10.479	105	80408	10.041	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	63899	9.689	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	64090	9.804	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	37182	10.012	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	37041	9.902	ug/L	89
67) 1,2-Dichlorobenzene	12.209	146	37196	9.970	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.994	75	6835	10.814	ug/L #	78
69) 1,3,5-Trichlorobenzene	13.216	180	23137m	9.294	ug/L	
70) 1,2,4-trichlorobenzene	13.839	180	20394	9.489	ug/L	97
71) Naphthalene	14.084	128	65248	9.249	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	18456	8.818	ug/L #	95

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

