

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021924\
 Data File : VU057882.D
 Acq On : 19 Feb 2024 15:31
 Operator : MD/SY
 Sample : VSTD00559
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005059

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/21/2024
 Supervised By :Semsettin Yesilyurt 02/21/2024

Quant Time: Feb 20 01:17:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 20 01:16:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	279588	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	265743	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	123275	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	9523	4.319	ug/L	0.00
7) Chloroethane-d5	1.891	69	6691	3.965	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	17209	4.253	ug/L	0.00
21) 2-Butanone-d5	4.634	46	8247	7.110	ug/L	0.02
24) Chloroform-d	5.055	84	15564	4.005	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	9558	3.883	ug/L	0.00
32) Benzene-d6	5.721	84	30654	3.929	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	9926	4.013	ug/L	0.00
41) Toluene-d8	7.894	98	28010	3.972	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	4464	3.709	ug/L	0.00
47) 2-Hexanone-d5	8.634	63	6919	6.970	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	13222	4.074	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	9486	4.122	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	14819	5.832	ug/L	99
3) Chloromethane	1.515	50	15452	6.405	ug/L	96
5) Vinyl chloride	1.599	62	14649	5.836	ug/L	98
6) Bromomethane	1.827	94	8073	5.804	ug/L	96
8) Chloroethane	1.914	64	8845	5.968	ug/L	99
9) Trichlorofluoromethane	2.126	101	18141	5.288	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	10509	5.195	ug/L	98
12) 1,1-Dichloroethene	2.570	96	9497	5.140	ug/L	94
13) Acetone	2.615	43	13653	8.828	ug/L	99
14) Carbon disulfide	2.782	76	31699	5.506	ug/L	100
15) Methyl Acetate	2.940	43	10623	5.157	ug/L	98
16) Methylene chloride	3.033	84	15587	7.263	ug/L	91
17) trans-1,2-Dichloroethene	3.345	96	10055	5.326	ug/L	95
18) Methyl tert-butyl Ether	3.348	73	33795	5.111	ug/L	98
19) 1,1-Dichloroethane	3.856	63	20043	5.272	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	11138	5.114	ug/L	93
22) 2-Butanone	4.708	43	14060	8.341	ug/L	96
23) Bromochloromethane	4.965	128	5553	5.229	ug/L	94
25) Chloroform	5.074	83	20238	5.231	ug/L	99
27) 1,2-Dichloroethane	5.788	62	17306	5.397	ug/L	99
29) Cyclohexane	5.377	56	18942	5.425	ug/L	96
30) 1,1,1-Trichloroethane	5.306	97	16779	4.928	ug/L	99
31) Carbon tetrachloride	5.512	117	14151	4.765	ug/L	100
33) Benzene	5.766	78	44204	5.255	ug/L	100
34) Trichloroethene	6.537	95	11365	5.049	ug/L	93
35) Methylcyclohexane	6.753	83	18875	5.214	ug/L	98
37) 1,2-Dichloropropane	6.782	63	12523	5.385	ug/L #	94
38) Bromodichloromethane	7.097	83	14390	4.991	ug/L #	98
39) cis-1,3-Dichloropropene	7.602	75	17140	4.584	ug/L	96
40) 4-Methyl-2-pentanone	7.785	43	29004	10.034	ug/L	99
42) Toluene	7.965	91	45230	5.139	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	16132	4.700	ug/L	98

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45) 1,1,2-Trichloroethane	8.396	97	11271	5.318	ug/L	94
46) Tetrachloroethene	8.547	164	7840	5.029	ug/L	95
48) 2-Hexanone	8.685	43	23942	9.601	ug/L	92
49) Dibromochloromethane	8.804	129	10338	4.846	ug/L	98
50) 1,2-Dibromoethane	8.920	107	11506	5.086	ug/L	94
51) Chlorobenzene	9.441	112	29422	5.287	ug/L	99
52) Ethylbenzene	9.566	91	49803	4.989	ug/L	93
53) m,p-Xylene	9.688	106	17881	4.897	ug/L	87
54) o-Xylene	10.097	106	17316	4.844	ug/L	94
55) Styrene	10.113	104	28239	4.705	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	17618	5.077	ug/L	98
59) Bromoform	10.286	173	6607	4.646	ug/L #	99
60) 1,2,3-Trichloropropane	10.820	75	14141	5.467	ug/L	97
61) Isopropylbenzene	10.479	105	47583	5.314	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	38901	5.137	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	38654	5.088	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	20876	5.355	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	21980	5.487	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	20193	5.151	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.997	75	2972	4.593	ug/L	93
69) 1,3,5-Trichlorobenzene	13.219	180	13878m	5.121	ug/L	
70) 1,2,4-trichlorobenzene	13.839	180	10040	4.360	ug/L	98
71) Naphthalene	14.090	128	24137	3.921	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	9139	4.238	ug/L	97

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

