

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
 Data File : VU057830.D
 Acq On : 07 Feb 2024 09:43
 Operator : MD/SY
 Sample : VSTD01054
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010054

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda
 02/09/2024

Supervised By :Semsettin
 Yesilyurt
 02/09/2024

Quant Time: Feb 08 01:06:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:05:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	263703	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	241973	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	116799	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	20471	10.796	ug/L	0.00
7) Chloroethane-d5	1.907	69	16878	11.473	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	37160	9.582	ug/L	0.00
21) 2-Butanone-d5	4.634	46	21793	23.098	ug/L	0.01
24) Chloroform-d	5.055	84	35142	8.332	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	22861	8.289	ug/L	0.00
32) Benzene-d6	5.721	84	70710	10.537	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	22560	11.578	ug/L	0.00
41) Toluene-d8	7.894	98	63232	10.167	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	10089	9.116	ug/L	0.00
47) 2-Hexanone-d5	8.634	63	17427	26.013	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	28034	9.966	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	21748	9.442	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	22746	7.790	ug/L	98
3) Chloromethane	1.518	50	21171	10.707	ug/L	96
5) Vinyl chloride	1.602	62	21567	10.195	ug/L	97
6) Bromomethane	1.856	94	13404	9.632	ug/L	95
8) Chloroethane	1.930	64	14027	11.214	ug/L	99
9) Trichlorofluoromethane	2.129	101	31720	7.784	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	17823	8.711	ug/L	98
12) 1,1-Dichloroethene	2.573	96	16246	8.991	ug/L	95
13) Acetone	2.631	43	31146	26.530	ug/L	99
14) Carbon disulfide	2.785	76	49550	8.853	ug/L	99
15) Methyl Acetate	2.946	43	18151	11.992	ug/L	94
16) Methylene chloride	3.039	84	19443	9.461	ug/L	95
17) trans-1,2-Dichloroethene	3.345	96	16595	9.008	ug/L	93
18) Methyl tert-butyl Ether	3.354	73	57031	9.539	ug/L	99
19) 1,1-Dichloroethane	3.862	63	33461	9.642	ug/L	97
20) cis-1,2-Dichloroethene	4.660	96	18612	9.316	ug/L	96
22) 2-Butanone	4.711	43	31396m	26.530	ug/L	
23) Bromochloromethane	4.965	128	9253	8.293	ug/L	92
25) Chloroform	5.081	83	33785	8.293	ug/L	100
27) 1,2-Dichloroethane	5.788	62	29128	8.597	ug/L	99
29) Cyclohexane	5.380	56	28947	11.535	ug/L	97
30) 1,1,1-Trichloroethane	5.306	97	29405	8.027	ug/L	99
31) Carbon tetrachloride	5.518	117	25512	7.901	ug/L	100
33) Benzene	5.769	78	72717	10.252	ug/L	100
34) Trichloroethene	6.537	95	19163	9.363	ug/L	99
35) Methylcyclohexane	6.756	83	30470	10.605	ug/L	99
37) 1,2-Dichloropropane	6.785	63	19813	11.036	ug/L	100
38) Bromodichloromethane	7.097	83	24057	8.424	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	30859	10.032	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	47708	24.840	ug/L	99
42) Toluene	7.965	91	74820	9.902	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	27528	9.105	ug/L	98

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45) 1,1,2-Trichloroethane	8.396	97	18235	9.617	ug/L	94
46) Tetrachloroethene	8.547	164	13576	8.953	ug/L	97
48) 2-Hexanone	8.685	43	42276	26.788	ug/L	100
49) Dibromochloromethane	8.804	129	16751	7.496	ug/L	97
50) 1,2-Dibromoethane	8.920	107	19157	9.511	ug/L	99
51) Chlorobenzene	9.441	112	47506	9.431	ug/L	95
52) Ethylbenzene	9.566	91	83979	9.960	ug/L	94
53) m,p-Xylene	9.688	106	30904	9.807	ug/L	98
54) o-Xylene	10.094	106	29867	9.733	ug/L	97
55) Styrene	10.113	104	48296	9.336	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.778	83	29550	10.158	ug/L #	95
59) Bromoform	10.283	173	11786	7.152	ug/L #	96
60) 1,2,3-Trichloropropane	10.820	75	24130	10.584	ug/L	98
61) Isopropylbenzene	10.479	105	80344	10.226	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	66253	9.869	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	65739	9.981	ug/L	97
64) 1,3-Dichlorobenzene	11.743	146	34593	9.441	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	36540	9.699	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	35806	9.699	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	5380	8.834	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	24756	9.399	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	20050	9.787	ug/L	96
71) Naphthalene	14.084	128	47518	9.677	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	19099	9.967	ug/L	99

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

