

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058944.D
 Acq On : 23 May 2024 12:15
 Operator : MD/SY
 Sample : VSTD01066
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010066

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2024
 Supervised By :Mahesh Dadoda 05/27/2024

Quant Time: May 24 06:35:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:34:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	151018	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	161460	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	83012	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	15533	12.168	ug/L	0.00
7) Chloroethane-d5	1.911	69	13026	12.982	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	24372	10.854	ug/L	0.00
21) 2-Butanone-d5	4.634	46	20807m	27.311	ug/L	0.02
24) Chloroform-d	5.058	84	27155	12.060	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	16989	11.988	ug/L	0.00
32) Benzene-d6	5.724	84	50004	9.950	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	17666	11.103	ug/L	0.00
41) Toluene-d8	7.894	98	44415	9.788	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	7566	9.908	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	12047m	18.316	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	25436	11.876	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	16033	9.942	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	10837	8.669	ug/L	99
3) Chloromethane	1.518	50	11787	9.857	ug/L	99
5) Vinyl chloride	1.602	62	13638	10.670	ug/L	98
6) Bromomethane	1.856	94	7934	10.243	ug/L	94
8) Chloroethane	1.930	64	9135	11.711	ug/L	93
9) Trichlorofluoromethane	2.136	101	18204	10.176	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	12474	11.560	ug/L	97
12) 1,1-Dichloroethene	2.576	96	10127	10.494	ug/L	94
13) Acetone	2.631	43	22553	26.495	ug/L	98
14) Carbon disulfide	2.788	76	18593	6.728	ug/L	100
15) Methyl Acetate	2.952	43	15430	13.012	ug/L	100
16) Methylene chloride	3.042	84	19529	16.837	ug/L	97
17) trans-1,2-Dichloroethene	3.348	96	9904	10.100	ug/L	94
18) Methyl tert-butyl Ether	3.354	73	37296	10.560	ug/L #	89
19) 1,1-Dichloroethane	3.862	63	25431	12.318	ug/L	95
20) cis-1,2-Dichloroethene	4.663	96	12856	11.012	ug/L	98
22) 2-Butanone	4.711	43	27664m	28.577	ug/L	
23) Bromochloromethane	4.975	128	7015	12.135	ug/L	96
25) Chloroform	5.084	83	27573	12.964	ug/L	98
27) 1,2-Dichloroethane	5.788	62	20929	12.039	ug/L	100
29) Cyclohexane	5.383	56	12085	6.254	ug/L	94
30) 1,1,1-Trichloroethane	5.309	97	19173	9.456	ug/L	99
31) Carbon tetrachloride	5.515	117	15909	9.157	ug/L	99
33) Benzene	5.769	78	48232	9.720	ug/L	100
34) Trichloroethene	6.541	95	13131	9.830	ug/L	96
35) Methylcyclohexane	6.759	83	13732	6.793	ug/L	96
37) 1,2-Dichloropropane	6.785	63	15871	11.268	ug/L	98
38) Bromodichloromethane	7.103	83	20075	11.323	ug/L #	98
39) cis-1,3-Dichloropropene	7.605	75	21144	9.545	ug/L	96
40) 4-Methyl-2-pentanone	7.788	43	41175	22.475	ug/L	99
42) Toluene	7.965	91	50423	9.571	ug/L	94
44) trans-1,3-Dichloropropene	8.206	75	19240	9.365	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.396	97	15815	11.968	ug/L	98
46) Tetrachloroethene	8.550	164	8941	9.758	ug/L	88
48) 2-Hexanone	8.682	43	34838	22.172	ug/L	94
49) Dibromochloromethane	8.804	129	15086	11.507	ug/L	90
50) 1,2-Dibromoethane	8.923	107	14834	10.749	ug/L	93
51) Chlorobenzene	9.441	112	34620	10.323	ug/L	96
52) Ethylbenzene	9.566	91	52025	8.798	ug/L	97
53) m,p-Xylene	9.692	106	18218	8.440	ug/L	97
54) o-Xylene	10.094	106	18121	8.564	ug/L	97
55) Styrene	10.110	104	31542m	8.763	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.775	83	27979	12.747	ug/L	93
59) Bromoform	10.287	173	11409	11.735	ug/L	95
60) 1,2,3-Trichloropropane	10.817	75	22493	12.582	ug/L	97
61) Isopropylbenzene	10.479	105	50340	8.608	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	37784	7.795	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	36508	7.489	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	28333	10.913	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	28388	10.608	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	28722	10.925	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.991	75	5810	12.557	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	19886	10.921	ug/L	96
70) 1,2,4-trichlorobenzene	13.836	180	16281	10.444	ug/L	95
71) Naphthalene	14.087	128	40522	9.446	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	16573	11.016	ug/L	100

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

