

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058945.D
 Acq On : 23 May 2024 12:43
 Operator : MD/SY
 Sample : VSTD05067
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050067

Quant Time: May 24 06:36:20 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	6.242	114	185581	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	191310	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	103971	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	96176	61.310	ug/L	0.00
7) Chloroethane-d5	1.907	69	80292	65.115	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	146210	52.985	ug/L	0.00
21) 2-Butanone-d5	4.618	46	140165	149.715	ug/L	0.00
24) Chloroform-d	5.055	84	166380	60.130	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	103119	59.210	ug/L	0.00
32) Benzene-d6	5.721	84	337511	56.683	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	107759	57.161	ug/L	0.00
41) Toluene-d8	7.891	98	303920	56.524	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	48425	53.522	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	93529	120.010	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	161291	63.555	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	107552	53.251	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	59667	38.841	ug/L	100
3) Chloromethane	1.518	50	62010	42.197	ug/L	100
5) Vinyl chloride	1.602	62	71844	45.740	ug/L	100
6) Bromomethane	1.853	94	41192	43.277	ug/L	100
8) Chloroethane	1.930	64	49328	51.462	ug/L	100
9) Trichlorofluoromethane	2.136	101	100205	45.582	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	68142	51.390	ug/L	100
12) 1,1-Dichloroethene	2.576	96	54100	45.618	ug/L	100
13) Acetone	2.628	43	101024	96.579	ug/L	100
14) Carbon disulfide	2.788	76	102628	30.218	ug/L	100
15) Methyl Acetate	2.943	43	95553	65.573	ug/L	100
16) Methylene chloride	3.039	84	74929	52.569	ug/L	100
17) trans-1,2-Dichloroethene	3.348	96	54471	45.202	ug/L	100
18) Methyl tert-butyl Ether	3.354	73	217626	50.145	ug/L	100
19) 1,1-Dichloroethane	3.859	63	140075	55.213	ug/L	100
20) cis-1,2-Dichloroethene	4.660	96	73280	51.079	ug/L	100
22) 2-Butanone	4.698	43	144329	121.326	ug/L	100
23) Bromochloromethane	4.968	128	37899	53.351	ug/L	100
25) Chloroform	5.078	83	146472	56.039	ug/L	100
27) 1,2-Dichloroethane	5.788	62	112512	52.667	ug/L	100
29) Cyclohexane	5.383	56	80701	35.249	ug/L	100
30) 1,1,1-Trichloroethane	5.309	97	111139	46.260	ug/L	100
31) Carbon tetrachloride	5.518	117	88723	43.098	ug/L	100
33) Benzene	5.769	78	273847	46.577	ug/L	100
34) Trichloroethene	6.537	95	73722	46.576	ug/L	100
35) Methylcyclohexane	6.759	83	86387	36.067	ug/L	100
37) 1,2-Dichloropropane	6.785	63	87786	52.602	ug/L	100
38) Bromodichloromethane	7.100	83	112310	53.464	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	123104	46.901	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	268423	123.654	ug/L	100
42) Toluene	7.965	91	309108	49.521	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	119535	49.106	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	87854	56.110	ug/L	100
46) Tetrachloroethene	8.547	164	48356	44.539	ug/L	100
48) 2-Hexanone	8.676	43	218997	117.628	ug/L	100
49) Dibromochloromethane	8.804	129	83240	53.585	ug/L	100
50) 1,2-Dibromoethane	8.917	107	84897	51.918	ug/L	100
51) Chlorobenzene	9.441	112	199170	50.122	ug/L	100
52) Ethylbenzene	9.563	91	330361	47.153	ug/L	100
53) m,p-Xylene	9.688	106	120076	46.948	ug/L	100
54) o-Xylene	10.094	106	119797	47.780	ug/L	100
55) Styrene	10.110	104	222676	52.209	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	161221	61.992	ug/L	100
59) Bromoform	10.283	173	64995	53.378	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	125854	56.207	ug/L	100
61) Isopropylbenzene	10.479	105	331425	45.251	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	261986	43.155	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	269094	44.074	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	162645	50.016	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	166858	49.784	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	164872	50.071	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	35544	61.333	ug/L	100
69) 1,3,5-Trichlorobenzene	13.212	180	115119	50.475	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	98846	50.628	ug/L	100
71) Naphthalene	14.081	128	295977	55.086	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	104361	55.383	ug/L	100

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

