

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU073124\
 Data File : VU060284.D
 Acq On : 31 Jul 2024 16:37
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050090

Quant Time: Aug 01 00:23:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 00:19:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	247380	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	247036	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	123890	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	92248	58.078	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	116.160%
7) Chloroethane-d5	1.901	69	68693	51.417	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.840%
11) 1,1-Dichloroethene-d2	2.560	63	133913	47.457	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.920%
21) 2-Butanone-d5	4.612	46	122902	111.341	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.340%
24) Chloroform-d	5.055	84	144271	46.904	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	5.692	65	85235	46.605	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.200%
32) Benzene-d6	5.718	84	297072	46.961	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.920%
36) 1,2-Dichloropropane-d6	6.682	67	97695	49.899	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.800%
41) Toluene-d8	7.891	98	269416	44.785	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.580%
43) trans-1,3-Dichloroprop...	8.174	79	43850	47.863	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.720%
47) 2-Hexanone-d5	8.624	63	80029	96.991	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.990%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	146899	48.884	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.760%
66) 1,2-Dichlorobenzene-d4	12.187	152	97339	42.756	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	59271	38.579	ug/L	100
3) Chloromethane	1.518	50	74928	49.699	ug/L	98
5) Vinyl chloride	1.602	62	84716	47.867	ug/L	98
6) Bromomethane	1.837	94	49975	53.758	ug/L	97
8) Chloroethane	1.924	64	53846	46.733	ug/L	94
9) Trichlorofluoromethane	2.129	101	106957	43.409	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	71440	45.549	ug/L	94
12) 1,1-Dichloroethene	2.570	96	63382	43.211	ug/L	93
13) Acetone	2.618	43	100740	88.628	ug/L	96
14) Carbon disulfide	2.785	76	139549	37.695	ug/L	99
15) Methyl Acetate	2.940	43	99021	57.781	ug/L	94
16) Methylene chloride	3.036	84	89723	48.509	ug/L	93
17) trans-1,2-Dichloroethene	3.345	96	65571	43.423	ug/L	95
18) Methyl tert-butyl Ether	3.354	73	234891	47.892	ug/L	98
19) 1,1-Dichloroethane	3.859	63	144146	50.330	ug/L	96
20) cis-1,2-Dichloroethene	4.657	96	83987	45.931	ug/L	95
22) 2-Butanone	4.692	43	145608	104.120	ug/L	96
23) Bromochloromethane	4.965	128	41915	43.459	ug/L #	91
25) Chloroform	5.078	83	152142	49.366	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	110965	47.428	ug/L	100
29) Cyclohexane	5.380	56	93908	42.454	ug/L	92
30) 1,1,1-Trichloroethane	5.306	97	117025	45.727	ug/L	99
31) Carbon tetrachloride	5.515	117	95295	45.078	ug/L	99
33) Benzene	5.766	78	321592	48.208	ug/L	100
34) Trichloroethene	6.537	95	79110	44.439	ug/L	96
35) Methylcyclohexane	6.756	83	96294	39.167	ug/L	93
37) 1,2-Dichloropropane	6.782	63	97057	52.858	ug/L	100
38) Bromodichloromethane	7.097	83	115163	49.499	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	133410	47.488	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	266117	114.669	ug/L	98
42) Toluene	7.962	91	343820	47.211	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	127706	49.488	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	94815	49.306	ug/L	98
46) Tetrachloroethene	8.547	164	56700	38.717	ug/L	97
48) 2-Hexanone	8.676	43	220478	113.514	ug/L	98
49) Dibromochloromethane	8.804	129	89874	47.434	ug/L	98
50) 1,2-Dibromoethane	8.917	107	94764	47.132	ug/L	97
51) Chlorobenzene	9.441	112	218666	45.228	ug/L	96
52) Ethylbenzene	9.563	91	351878	45.246	ug/L	97
53) m,p-Xylene	9.688	106	136247	44.994	ug/L	94
54) o-Xylene	10.094	106	133591	45.878	ug/L	96
55) Styrene	10.110	104	244235	49.717	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	171600	52.915	ug/L	98
59) Bromoform	10.283	173	72395	48.328	ug/L	98
60) 1,2,3-Trichloropropane	10.814	75	132211	56.230	ug/L	95
61) Isopropylbenzene	10.479	105	349179	48.351	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	248507	47.006	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	267945	47.316	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	169571	45.275	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	172801	44.631	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	174844	46.212	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	35332	54.947	ug/L	89
69) 1,3,5-Trichlorobenzene	13.216	180	108863	40.315	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	97167	39.923	ug/L	99
71) Naphthalene	14.084	128	334208	47.517	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	103549	42.405	ug/L	98

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

