

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022724\
 Data File : VU057954.D
 Acq On : 27 Feb 2024 14:45
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050155

Quant Time: Feb 28 00:42:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 28 00:40:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	248860	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	244892	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	120522	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	60454	33.554	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.100%
7) Chloroethane-d5	1.904	69	55891	41.971	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.940%
11) 1,1-Dichloroethene-d2	2.560	63	128469	38.261	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.520%
21) 2-Butanone-d5	4.612	46	85765	125.286	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	125.290%
24) Chloroform-d	5.052	84	154405	50.541	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.080%
26) 1,2-Dichloroethane-d4	5.692	65	99212	51.804	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.600%
32) Benzene-d6	5.718	84	281886	45.931	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.860%
36) 1,2-Dichloropropane-d6	6.682	67	97717	49.310	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.620%
41) Toluene-d8	7.891	98	254039	45.728	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.460%
43) trans-1,3-Dichloroprop...	8.174	79	44827	47.502	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.000%
47) 2-Hexanone-d5	8.624	63	71699	94.114	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.110%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	135217	49.448	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.900%
66) 1,2-Dichlorobenzene-d4	12.187	152	92719	47.511	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	86961	31.875	ug/L	99
3) Chloromethane	1.515	50	118047	42.556	ug/L	99
5) Vinyl chloride	1.596	62	108305	39.538	ug/L	99
6) Bromomethane	1.850	94	70890	66.282	ug/L	100
8) Chloroethane	1.924	64	70658	44.107	ug/L	96
9) Trichlorofluoromethane	2.129	101	120708	36.012	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	69473	35.663	ug/L	99
12) 1,1-Dichloroethene	2.570	96	73847	40.984	ug/L	97
13) Acetone	2.608	43	101741	80.271	ug/L	99
14) Carbon disulfide	2.782	76	248148	42.082	ug/L	100
15) Methyl Acetate	2.933	43	106760	51.739	ug/L	99
16) Methylene chloride	3.033	84	107347	45.709	ug/L	97
17) trans-1,2-Dichloroethene	3.342	96	86877	46.474	ug/L	97
18) Methyl tert-butyl Ether	3.348	73	328677	50.502	ug/L	99
19) 1,1-Dichloroethane	3.856	63	187864	48.472	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	104576	48.765	ug/L	98
22) 2-Butanone	4.686	43	143989	93.768	ug/L	100
23) Bromochloromethane	4.962	128	52838	50.711	ug/L	99
25) Chloroform	5.078	83	192342	50.263	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	161594	50.751	ug/L	98
29) Cyclohexane	5.380	56	121031	33.580	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	144414	43.760	ug/L	99
31) Carbon tetrachloride	5.515	117	115788	40.857	ug/L	99
33) Benzene	5.766	78	404880	47.402	ug/L	100
34) Trichloroethene	6.534	95	99372	45.259	ug/L	97
35) Methylcyclohexane	6.756	83	121961	34.189	ug/L	99
37) 1,2-Dichloropropane	6.782	63	116950	48.524	ug/L	99
38) Bromodichloromethane	7.097	83	146977	50.783	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	179674	48.782	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	298472	98.381	ug/L	99
42) Toluene	7.962	91	409064	46.275	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	167591	49.032	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	107937	50.403	ug/L	98
46) Tetrachloroethene	8.547	164	63340	41.919	ug/L	98
48) 2-Hexanone	8.676	43	223253	90.157	ug/L	99
49) Dibromochloromethane	8.804	129	107618	50.462	ug/L	95
50) 1,2-Dibromoethane	8.917	107	113119	50.168	ug/L	99
51) Chlorobenzene	9.441	112	258032	45.903	ug/L	99
52) Ethylbenzene	9.563	91	440778	44.469	ug/L	99
53) m,p-Xylene	9.689	106	161055	44.679	ug/L	99
54) o-Xylene	10.094	106	164023	46.053	ug/L	97
55) Styrene	10.110	104	286063	46.838	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	170600	46.764	ug/L	99
59) Bromoform	10.287	173	75798	51.234	ug/L #	99
60) 1,2,3-Trichloropropane	10.817	75	135386	48.486	ug/L	98
61) Isopropylbenzene	10.480	105	408053	43.324	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	347463	42.819	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	351176	43.068	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	187717	45.075	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	191024	45.027	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	187206	45.692	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.991	75	34035	51.338	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	124144	44.321	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	109196	48.420	ug/L	99
71) Naphthalene	14.081	128	301223	50.298	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	104379	50.391	ug/L	99

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

