

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022724\
 Data File : VU057949.D
 Acq On : 27 Feb 2024 09:54
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050154

Quant Time: Feb 28 00:37:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 23 23:00:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	274830	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	265166	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	130362	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	77673	39.038	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.080%
7) Chloroethane-d5	1.904	69	62640	42.594	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.180%
11) 1,1-Dichloroethene-d2	2.563	63	165334	44.587	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.180%
21) 2-Butanone-d5	4.608	46	92698	122.618	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.620%
24) Chloroform-d	5.052	84	164847	48.860	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.720%
26) 1,2-Dichloroethane-d4	5.692	65	102357	48.396	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.800%
32) Benzene-d6	5.717	84	308355	46.402	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.682	67	103103	48.050	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.100%
41) Toluene-d8	7.891	98	277830	46.187	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.380%
43) trans-1,3-Dichloroprop...	8.174	79	49114	48.065	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.140%
47) 2-Hexanone-d5	8.624	63	70180	85.077	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.080%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	134976	45.586	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.180%
66) 1,2-Dichlorobenzene-d4	12.187	152	98043	46.447	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	141270	46.889	ug/L	99
3) Chloromethane	1.515	50	136330	44.503	ug/L	100
5) Vinyl chloride	1.599	62	141005	46.612	ug/L	98
6) Bromomethane	1.849	94	80143	67.853	ug/L	100
8) Chloroethane	1.927	64	81532	46.085	ug/L	100
9) Trichlorofluoromethane	2.132	101	177420	47.930	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	106643	49.570	ug/L	98
12) 1,1-Dichloroethene	2.573	96	95655	48.070	ug/L	94
13) Acetone	2.608	43	151648	108.340	ug/L	99
14) Carbon disulfide	2.785	76	317615	48.773	ug/L	100
15) Methyl Acetate	2.933	43	103096	45.242	ug/L	97
16) Methylene chloride	3.033	84	109078	42.057	ug/L	99
17) trans-1,2-Dichloroethene	3.345	96	100011	48.444	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	336138	46.767	ug/L	99
19) 1,1-Dichloroethane	3.856	63	204896	47.871	ug/L	97
20) cis-1,2-Dichloroethene	4.656	96	112369	47.447	ug/L	96
22) 2-Butanone	4.685	43	170224	100.378	ug/L	98
23) Bromochloromethane	4.965	128	54156	47.065	ug/L	95
25) Chloroform	5.078	83	202730	47.972	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	163139	46.394	ug/L	100
29) Cyclohexane	5.380	56	189531	48.565	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	173323	48.504	ug/L	100
31) Carbon tetrachloride	5.515	117	151871	49.492	ug/L	99
33) Benzene	5.766	78	440086	47.584	ug/L	100
34) Trichloroethene	6.534	95	115012	48.378	ug/L	97
35) Methylcyclohexane	6.756	83	191390	49.550	ug/L	99
37) 1,2-Dichloropropane	6.782	63	123535	47.337	ug/L	100
38) Bromodichloromethane	7.097	83	155366	49.578	ug/L	98
39) cis-1,3-Dichloropropene	7.598	75	192230	48.201	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	301431	91.760	ug/L	100
42) Toluene	7.962	91	462537	48.323	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	181158	48.949	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	108159	46.645	ug/L	99
46) Tetrachloroethene	8.547	164	80989	49.501	ug/L	99
48) 2-Hexanone	8.676	43	246351	91.878	ug/L	99
49) Dibromochloromethane	8.804	129	113875	49.313	ug/L	98
50) 1,2-Dibromoethane	8.917	107	116557	47.740	ug/L	99
51) Chlorobenzene	9.441	112	288323	47.370	ug/L	99
52) Ethylbenzene	9.563	91	516977	48.169	ug/L	100
53) m,p-Xylene	9.688	106	191056	48.949	ug/L	99
54) o-Xylene	10.094	106	182811	47.404	ug/L	97
55) Styrene	10.110	104	315197	47.662	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	173583	43.944	ug/L	99
59) Bromoform	10.283	173	79352	49.587	ug/L #	100
60) 1,2,3-Trichloropropane	10.817	75	135978	45.022	ug/L	99
61) Isopropylbenzene	10.479	105	500637	49.141	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	418888	47.724	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	413095	46.838	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	215316	47.800	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	218952	47.715	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	204257	46.091	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	33937	47.326	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	146694	48.419	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	127053	52.086	ug/L	99
71) Naphthalene	14.080	128	326278	50.369	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	114809	51.242	ug/L	99

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

