

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022024\
 Data File : VU057911.D
 Acq On : 20 Feb 2024 18:43
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050147

Quant Time: Feb 21 00:16:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 21 00:11:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	285937	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	272825	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	134700	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	91422	44.163	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.320%		
7) Chloroethane-d5	1.907	69	69770	45.599	ug/L	0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.200%		
11) 1,1-Dichloroethene-d2	2.563	63	176821	45.833	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.660%		
21) 2-Butanone-d5	4.611	46	76822	97.670	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.670%		
24) Chloroform-d	5.052	84	167965	47.850	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.700%		
26) 1,2-Dichloroethane-d4	5.689	65	105811	48.086	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.180%		
32) Benzene-d6	5.718	84	325635	47.627	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.260%		
36) 1,2-Dichloropropane-d6	6.682	67	106397	48.193	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.380%		
41) Toluene-d8	7.891	98	298550	48.238	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.480%		
43) trans-1,3-Dichloroprop...	8.171	79	51095	48.600	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.200%		
47) 2-Hexanone-d5	8.624	63	72446	85.358	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	85.360%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	133434	43.800	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	87.600%		
66) 1,2-Dichlorobenzene-d4	12.187	152	102606	47.043	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.080%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.377	85	137808	43.963	ug/L	99
3) Chloromethane	1.515	50	135285	42.446	ug/L	99
5) Vinyl chloride	1.599	62	136748	43.449	ug/L	99
6) Bromomethane	1.850	94	64557	52.534	ug/L	98
8) Chloroethane	1.927	64	81724	44.399	ug/L	99
9) Trichlorofluoromethane	2.132	101	174485	45.306	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	101033	45.138	ug/L	99
12) 1,1-Dichloroethene	2.573	96	94116	45.460	ug/L	96
13) Acetone	2.608	43	100716	69.158	ug/L	100
14) Carbon disulfide	2.785	76	300826	44.400	ug/L	99
15) Methyl Acetate	2.933	43	101638	42.869	ug/L	99
16) Methylene chloride	3.033	84	107875	39.977	ug/L	100
17) trans-1,2-Dichloroethene	3.345	96	97094	45.205	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	332779	44.502	ug/L	100
19) 1,1-Dichloroethane	3.856	63	202602	45.497	ug/L	100
20) cis-1,2-Dichloroethene	4.657	96	110460	44.830	ug/L	99
22) 2-Butanone	4.685	43	139596	79.119	ug/L	99
23) Bromochloromethane	4.962	128	53151	44.397	ug/L	98
25) Chloroform	5.078	83	197834	44.995	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	162049	44.294	ug/L	99
29) Cyclohexane	5.380	56	180959	45.067	ug/L	100
30) 1,1,1-Trichloroethane	5.306	97	170326	46.328	ug/L	100
31) Carbon tetrachloride	5.515	117	146091	46.272	ug/L	98
33) Benzene	5.766	78	431098	45.304	ug/L	100
34) Trichloroethene	6.534	95	111638	45.640	ug/L	96
35) Methylcyclohexane	6.756	83	180680	45.464	ug/L	99
37) 1,2-Dichloropropane	6.782	63	119278	44.423	ug/L	100
38) Bromodichloromethane	7.097	83	148792	46.147	ug/L	97
39) cis-1,3-Dichloropropene	7.598	75	181415	44.212	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	291025	86.105	ug/L	99
42) Toluene	7.962	91	455508	46.253	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	172814	45.383	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	105687	44.299	ug/L	99
46) Tetrachloroethene	8.547	164	77669	46.139	ug/L	97
48) 2-Hexanone	8.676	43	217225	78.741	ug/L	98
49) Dibromochloromethane	8.801	129	106725	44.919	ug/L	96
50) 1,2-Dibromoethane	8.914	107	113273	45.093	ug/L	97
51) Chlorobenzene	9.441	112	279279	44.596	ug/L	97
52) Ethylbenzene	9.563	91	501167	45.385	ug/L	100
53) m,p-Xylene	9.685	106	184879	46.037	ug/L	99
54) o-Xylene	10.094	106	180908	45.593	ug/L	97
55) Styrene	10.106	104	303728	44.638	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	169510	41.708	ug/L	100
59) Bromoform	10.283	173	74365	44.974	ug/L #	99
60) 1,2,3-Trichloropropane	10.814	75	132964	42.607	ug/L	99
61) Isopropylbenzene	10.476	105	481998	45.788	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	402699	44.402	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	400024	43.895	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	201335	43.257	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	205775	43.399	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	197879	43.214	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	32165	43.411	ug/L	89
69) 1,3,5-Trichlorobenzene	13.212	180	137299	43.858	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	115554	45.846	ug/L	99
71) Naphthalene	14.081	128	303713	45.376	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	107336	46.364	ug/L	100

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

