

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062424\
 Data File : VU059455.D
 Acq On : 24 Jun 2024 17:13
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050193

Quant Time: Jun 25 03:17:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 00:01:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	252256	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	241306	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	127001	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	77854	51.546	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.100%
7) Chloroethane-d5	1.895	69	62058	47.966	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.940%
11) 1,1-Dichloroethene-d2	2.560	63	137027	45.963	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.920%
21) 2-Butanone-d5	4.612	46	115393	81.056	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.060%
24) Chloroform-d	5.052	84	140001	46.563	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.120%
26) 1,2-Dichloroethane-d4	5.692	65	85251	46.260	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.520%
32) Benzene-d6	5.718	84	287232	51.862	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.720%
36) 1,2-Dichloropropane-d6	6.682	67	89712	46.979	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.960%
41) Toluene-d8	7.891	98	263749	56.098	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.200%
43) trans-1,3-Dichloroprop...	8.174	79	39258	50.859	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.720%
47) 2-Hexanone-d5	8.624	63	79115	89.592	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.590%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	139620	43.201	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	101517	53.563	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	99111	38.777	ug/L	99
3) Chloromethane	1.515	50	108460	36.717	ug/L	100
5) Vinyl chloride	1.599	62	123693	42.614	ug/L	98
6) Bromomethane	1.830	94	77978	33.580	ug/L	95
8) Chloroethane	1.917	64	74129	40.954	ug/L	99
9) Trichlorofluoromethane	2.126	101	147736	43.739	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	90790	46.199	ug/L	90
12) 1,1-Dichloroethene	2.570	96	87510	49.096	ug/L	83
13) Acetone	2.615	43	98004	58.568	ug/L	97
14) Carbon disulfide	2.782	76	237491	39.562	ug/L	100
15) Methyl Acetate	2.936	43	111195	41.951	ug/L	95
16) Methylene chloride	3.033	84	105497	43.743	ug/L	88
17) trans-1,2-Dichloroethene	3.342	96	91068	47.337	ug/L	92
18) Methyl tert-butyl Ether	3.351	73	293785	47.012	ug/L	96
19) 1,1-Dichloroethane	3.856	63	177846	43.128	ug/L	98
20) cis-1,2-Dichloroethene	4.657	96	107072	48.841	ug/L	88
22) 2-Butanone	4.689	43	159268	78.617	ug/L	93
23) Bromochloromethane	4.962	128	56659	51.023	ug/L	83
25) Chloroform	5.078	83	186143	46.618	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	140418	41.628	ug/L	99
29) Cyclohexane	5.380	56	139223	43.216	ug/L	94
30) 1,1,1-Trichloroethane	5.306	97	147460	47.000	ug/L	97
31) Carbon tetrachloride	5.515	117	120666	47.349	ug/L	100
33) Benzene	5.766	78	404902	46.469	ug/L	100
34) Trichloroethene	6.534	95	106195	49.774	ug/L	91
35) Methylcyclohexane	6.756	83	145331	46.328	ug/L	93
37) 1,2-Dichloropropane	6.782	63	110850	44.802	ug/L	98
38) Bromodichloromethane	7.097	83	135062	46.862	ug/L	98
39) cis-1,3-Dichloropropene	7.599	75	159743	46.662	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	293802	90.575	ug/L #	94
42) Toluene	7.962	91	438609	50.148	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	145948	47.092	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	110816	49.814	ug/L	98
46) Tetrachloroethene	8.547	164	77577	54.588	ug/L	93
48) 2-Hexanone	8.676	43	232749	85.077	ug/L #	94
49) Dibromochloromethane	8.801	129	106694	53.070	ug/L	98
50) 1,2-Dibromoethane	8.917	107	115893	50.503	ug/L #	97
51) Chlorobenzene	9.441	112	272346	51.592	ug/L	95
52) Ethylbenzene	9.563	91	453846	50.333	ug/L	97
53) m,p-Xylene	9.689	106	175259	52.885	ug/L	95
54) o-Xylene	10.094	106	172766	53.793	ug/L	95
55) Styrene	10.110	104	299319	54.829	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.775	83	190261	46.949	ug/L	98
59) Bromoform	10.283	173	87314	52.435	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	151281	42.835	ug/L	98
61) Isopropylbenzene	10.480	105	449004	50.253	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	327758	50.629	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	357756	50.979	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	215554	51.618	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	217005	50.317	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	221601	50.772	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	43310	48.372	ug/L #	82
69) 1,3,5-Trichlorobenzene	13.216	180	147845	53.608	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	131279	59.598	ug/L	96
71) Naphthalene	14.081	128	466819	66.954	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	140919	62.927	ug/L	99

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

