

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062424\
 Data File : VU059434.D
 Acq On : 24 Jun 2024 08:42
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050192

Quant Time: Jun 24 12:44:19 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	230871	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	223534	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	116232	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	45270	32.749	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.500%
7) Chloroethane-d5	1.907	69	45642	38.545	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.100%
11) 1,1-Dichloroethene-d2	2.563	63	97764	35.830	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.660%
21) 2-Butanone-d5	4.611	46	100132	76.852	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.850%
24) Chloroform-d	5.052	84	117377	42.654	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.300%
26) 1,2-Dichloroethane-d4	5.692	65	70467	41.780	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.560%
32) Benzene-d6	5.721	84	212973	41.512	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.020%
36) 1,2-Dichloropropane-d6	6.682	67	72981	41.256	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.520%
41) Toluene-d8	7.891	98	187464	43.043	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.080%
43) trans-1,3-Dichloroprop...	8.174	79	30129	42.136	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.280%
47) 2-Hexanone-d5	8.624	63	65058	79.531	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.530%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	128167	42.810	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.620%
66) 1,2-Dichlorobenzene-d4	12.187	152	80430	46.369	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	94697	40.482	ug/L	100
3) Chloromethane	1.518	50	100060	37.011	ug/L	100
5) Vinyl chloride	1.599	62	112304	42.275	ug/L	100
6) Bromomethane	1.849	94	73573	34.617	ug/L	100
8) Chloroethane	1.927	64	68701	41.471	ug/L	98
9) Trichlorofluoromethane	2.132	101	141311	45.712	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	88360	49.127	ug/L	92
12) 1,1-Dichloroethene	2.573	96	78143	47.901	ug/L	78
13) Acetone	2.615	43	111824	73.017	ug/L	98
14) Carbon disulfide	2.785	76	224701	40.899	ug/L	100
15) Methyl Acetate	2.939	43	93135	38.392	ug/L	95
16) Methylene chloride	3.036	84	95161	43.112	ug/L	89
17) trans-1,2-Dichloroethene	3.345	96	81628	46.360	ug/L	91
18) Methyl tert-butyl Ether	3.354	73	253398	44.305	ug/L	97
19) 1,1-Dichloroethane	3.859	63	160430	42.508	ug/L	96
20) cis-1,2-Dichloroethene	4.656	96	94885	47.291	ug/L	87
22) 2-Butanone	4.689	43	138496	74.696	ug/L	91
23) Bromochloromethane	4.965	128	51935	51.101	ug/L	# 83
25) Chloroform	5.078	83	169244	46.312	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	129286	41.879	ug/L	96
29) Cyclohexane	5.380	56	125006	41.888	ug/L	92
30) 1,1,1-Trichloroethane	5.309	97	135248	46.535	ug/L	97
31) Carbon tetrachloride	5.515	117	114372	48.447	ug/L	100
33) Benzene	5.766	78	370408	45.890	ug/L	100
34) Trichloroethene	6.534	95	95547	48.344	ug/L	91
35) Methylcyclohexane	6.756	83	140134	48.223	ug/L	93
37) 1,2-Dichloropropane	6.782	63	100356	43.785	ug/L	99
38) Bromodichloromethane	7.097	83	125614	47.049	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	144669	45.619	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	243024	80.878	ug/L #	95
42) Toluene	7.962	91	399108	49.259	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	133172	46.386	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	100842	48.934	ug/L	98
46) Tetrachloroethene	8.547	164	76723	58.280	ug/L	92
48) 2-Hexanone	8.676	43	202303	79.827	ug/L #	96
49) Dibromochloromethane	8.801	129	98366	52.817	ug/L	96
50) 1,2-Dibromoethane	8.917	107	105343	49.556	ug/L	96
51) Chlorobenzene	9.441	112	249627	51.048	ug/L	95
52) Ethylbenzene	9.563	91	413082	49.454	ug/L	98
53) m,p-Xylene	9.688	106	159525	51.965	ug/L	96
54) o-Xylene	10.094	106	154132	51.807	ug/L	94
55) Styrene	10.106	104	274133	54.207	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.775	83	167266	44.556	ug/L	97
59) Bromoform	10.283	173	80086	52.551	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	129631	40.105	ug/L	97
61) Isopropylbenzene	10.476	105	409613	50.092	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	295111	49.810	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	319120	49.687	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	199574	52.219	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	198237	50.224	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	197508	49.445	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.991	75	33687	41.110	ug/L #	71
69) 1,3,5-Trichlorobenzene	13.212	180	139976	55.457	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	120886	59.965	ug/L	98
71) Naphthalene	14.080	128	348734	54.651	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	125090	61.033	ug/L	99

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

