

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052524\
 Data File : VU059015.D
 Acq On : 25 May 2024 21:54
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050162

Quant Time: May 27 04:17:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 27 04:10:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	136572	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	138201	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	69600	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	65766	45.530	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.060%
7) Chloroethane-d5	1.885	69	58734	48.927	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.860%
11) 1,1-Dichloroethene-d2	2.554	63	107949	48.916	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.840%
21) 2-Butanone-d5	4.608	46	130434	131.461	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	131.460%#
24) Chloroform-d	5.052	84	130482	52.665	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.320%
26) 1,2-Dichloroethane-d4	5.689	65	84979	56.083	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.160%
32) Benzene-d6	5.718	84	256714	54.486	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.980%
36) 1,2-Dichloropropane-d6	6.682	67	88615	56.943	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.880%
41) Toluene-d8	7.891	98	223575	52.940	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.880%
43) trans-1,3-Dichloroprop...	8.174	79	35225	50.409	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.820%
47) 2-Hexanone-d5	8.624	63	79774	123.945	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.940%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	133569	57.052	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.100%
66) 1,2-Dichlorobenzene-d4	12.187	152	77797	54.172	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	42219	46.205	ug/L	99
3) Chloromethane	1.515	50	50420	51.495	ug/L	98
5) Vinyl chloride	1.599	62	54554	47.714	ug/L	97
6) Bromomethane	1.824	94	45491	67.126	ug/L	100
8) Chloroethane	1.907	64	40268	51.355	ug/L	99
9) Trichlorofluoromethane	2.123	101	78496	50.476	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	48477	45.857	ug/L	96
12) 1,1-Dichloroethene	2.567	96	39970	47.242	ug/L	89
13) Acetone	2.615	43	86113	98.438	ug/L	98
14) Carbon disulfide	2.779	76	67286	42.271	ug/L	98
15) Methyl Acetate	2.936	43	91047	64.583	ug/L	95
16) Methylene chloride	3.030	84	61271	45.399	ug/L	95
17) trans-1,2-Dichloroethene	3.342	96	39129	46.036	ug/L	95
18) Methyl tert-butyl Ether	3.348	73	186193	55.344	ug/L	98
19) 1,1-Dichloroethane	3.853	63	117940	54.470	ug/L	100
20) cis-1,2-Dichloroethene	4.653	96	57661	51.251	ug/L	93
22) 2-Butanone	4.689	43	134129	117.704	ug/L	97
23) Bromochloromethane	4.962	128	29147	49.697	ug/L	92
25) Chloroform	5.075	83	121543	53.167	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	95583	54.778	ug/L	100
29) Cyclohexane	5.377	56	62761	53.354	ug/L	94
30) 1,1,1-Trichloroethane	5.303	97	88793	53.532	ug/L	99
31) Carbon tetrachloride	5.512	117	68022	50.772	ug/L	97
33) Benzene	5.763	78	229115	55.144	ug/L	100
34) Trichloroethene	6.534	95	55354	50.197	ug/L	99
35) Methylcyclohexane	6.753	83	59556	46.078	ug/L	94
37) 1,2-Dichloropropane	6.779	63	75746	56.096	ug/L	100
38) Bromodichloromethane	7.097	83	89418	53.285	ug/L #	98
39) cis-1,3-Dichloropropene	7.599	75	91886	49.402	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	250290	130.027	ug/L	98
42) Toluene	7.962	91	235561	52.892	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	89125	50.619	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	71277	53.467	ug/L	99
46) Tetrachloroethene	8.544	164	33289	45.276	ug/L	96
48) 2-Hexanone	8.676	43	207898	131.171	ug/L	95
49) Dibromochloromethane	8.801	129	62098	48.746	ug/L	97
50) 1,2-Dibromoethane	8.917	107	66823	52.458	ug/L	94
51) Chlorobenzene	9.441	112	145826	49.538	ug/L	96
52) Ethylbenzene	9.563	91	245901	51.020	ug/L	98
53) m,p-Xylene	9.689	106	89894	51.925	ug/L	100
54) o-Xylene	10.094	106	91242	52.657	ug/L	95
55) Styrene	10.107	104	160196	51.756	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.775	83	139595	58.108	ug/L	97
59) Bromoform	10.283	173	48320	52.380	ug/L	98
60) 1,2,3-Trichloropropane	10.814	75	110113	62.170	ug/L	98
61) Isopropylbenzene	10.476	105	241275	54.286	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	185692	53.033	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	194164	54.985	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	112424	48.724	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	114213	49.007	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	123264	52.523	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	30435	63.518	ug/L	90
69) 1,3,5-Trichlorobenzene	13.213	180	73814	45.418	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	61871	44.199	ug/L	97
71) Naphthalene	14.081	128	192260	47.088	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	67516	47.088	ug/L	98

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

