

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U061424\
 Data File : VU059267.D
 Acq On : 14 Jun 2024 22:44
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050183

Quant Time: Jun 15 02:56:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 15 02:48:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	231092	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	232728	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	122268	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	67750	48.965	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.920%
7) Chloroethane-d5	1.907	69	61133	51.578	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.160%
11) 1,1-Dichloroethene-d2	2.563	63	135137	49.480	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.960%
21) 2-Butanone-d5	4.608	46	111137	85.216	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.220%
24) Chloroform-d	5.055	84	135541	49.208	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.420%
26) 1,2-Dichloroethane-d4	5.692	65	83160	49.258	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.520%
32) Benzene-d6	5.721	84	268482	50.264	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.520%
36) 1,2-Dichloropropane-d6	6.682	67	85875	46.628	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.260%
41) Toluene-d8	7.891	98	242878	53.563	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.120%
43) trans-1,3-Dichloroprop...	8.174	79	34064	45.757	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.520%
47) 2-Hexanone-d5	8.624	63	68853	80.845	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.840%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	129309	41.485	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.980%
66) 1,2-Dichlorobenzene-d4	12.187	152	85195	46.691	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	111048	47.427	ug/L	98
3) Chloromethane	1.518	50	130908	48.375	ug/L	99
5) Vinyl chloride	1.602	62	136803	51.447	ug/L	99
6) Bromomethane	1.853	94	82841	38.941	ug/L	96
8) Chloroethane	1.930	64	84146	50.746	ug/L	98
9) Trichlorofluoromethane	2.136	101	157168	50.793	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	96028	53.339	ug/L	96
12) 1,1-Dichloroethene	2.576	96	90534	55.444	ug/L	85
13) Acetone	2.615	43	113573	74.088	ug/L	99
14) Carbon disulfide	2.788	76	275689	50.131	ug/L	100
15) Methyl Acetate	2.939	43	125820	51.816	ug/L	100
16) Methylene chloride	3.039	84	118274	53.532	ug/L	92
17) trans-1,2-Dichloroethene	3.345	96	97123	55.108	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	300223	52.442	ug/L	99
19) 1,1-Dichloroethane	3.859	63	195470	51.743	ug/L	96
20) cis-1,2-Dichloroethene	4.660	96	110870	55.205	ug/L	95
22) 2-Butanone	4.689	43	176550	95.129	ug/L	99
23) Bromochloromethane	4.965	128	56244	55.288	ug/L	92
25) Chloroform	5.078	83	198443	54.250	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	157018	50.813	ug/L	97
29) Cyclohexane	5.380	56	153652	49.453	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	155272	51.314	ug/L	99
31) Carbon tetrachloride	5.518	117	124237	50.547	ug/L	99
33) Benzene	5.766	78	446142	53.089	ug/L	100
34) Trichloroethene	6.537	95	112233	54.543	ug/L	95
35) Methylcyclohexane	6.759	83	153085	50.599	ug/L	98
37) 1,2-Dichloropropane	6.782	63	124097	52.004	ug/L	99
38) Bromodichloromethane	7.097	83	143311	51.557	ug/L	95
39) cis-1,3-Dichloropropene	7.602	75	163716	49.586	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	330978	105.797	ug/L	98
42) Toluene	7.962	91	467691	55.444	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	150963	50.505	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	116238	54.177	ug/L	99
46) Tetrachloroethene	8.547	164	77295	56.395	ug/L	94
48) 2-Hexanone	8.676	43	258341	97.912	ug/L	96
49) Dibromochloromethane	8.801	129	104095	53.685	ug/L	95
50) 1,2-Dibromoethane	8.917	107	118352	53.476	ug/L	98
51) Chlorobenzene	9.441	112	282337	55.456	ug/L	98
52) Ethylbenzene	9.563	91	478875	55.066	ug/L	100
53) m,p-Xylene	9.688	106	182739	57.175	ug/L	96
54) o-Xylene	10.094	106	178128	57.507	ug/L	99
55) Styrene	10.106	104	315304	59.885	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.775	83	199536	51.053	ug/L	98
59) Bromoform	10.283	173	81910	51.094	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	160287	47.141	ug/L	99
61) Isopropylbenzene	10.479	105	465807	54.151	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	331090	53.124	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	362228	53.614	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	216504	53.852	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	217835	52.465	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	214162	50.967	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	41136	47.723	ug/L	90
69) 1,3,5-Trichlorobenzene	13.212	180	141355	53.238	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	119133	56.178	ug/L	99
71) Naphthalene	14.080	128	388252	57.841	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	126088	58.483	ug/L	99

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

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