

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071524\
 Data File : VU059961.D
 Acq On : 15 Jul 2024 19:07
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050083

Quant Time: Jul 16 05:51:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 16 05:46:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	222389	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	229949	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	121820	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	65365	45.777	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.560%
7) Chloroethane-d5	1.895	69	59070	49.182	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.360%
11) 1,1-Dichloroethene-d2	2.557	63	115593	45.568	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.140%
21) 2-Butanone-d5	4.615	46	129215	130.214	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	130.210%#
24) Chloroform-d	5.055	84	141865	51.305	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.600%
26) 1,2-Dichloroethane-d4	5.695	65	82563	50.217	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.440%
32) Benzene-d6	5.721	84	271838	46.166	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.340%
36) 1,2-Dichloropropane-d6	6.682	67	89100	48.891	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.780%
41) Toluene-d8	7.894	98	253751	45.315	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.640%
43) trans-1,3-Dichloroprop...	8.177	79	37141	43.553	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.100%
47) 2-Hexanone-d5	8.627	63	89042	115.934	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.930%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	152040	54.355	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.700%
66) 1,2-Dichlorobenzene-d4	12.190	152	100836	45.045	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	68073	49.287	ug/L	100
3) Chloromethane	1.518	50	81068	59.814	ug/L	97
5) Vinyl chloride	1.599	62	91463	57.487	ug/L	100
6) Bromomethane	1.834	94	45453	54.388	ug/L	100
8) Chloroethane	1.917	64	59489	57.432	ug/L	98
9) Trichlorofluoromethane	2.126	101	114795	51.825	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	73656	52.240	ug/L	98
12) 1,1-Dichloroethene	2.570	96	67571	51.244	ug/L	86
13) Acetone	2.618	43	87724	85.850	ug/L	95
14) Carbon disulfide	2.782	76	164174	49.330	ug/L	100
15) Methyl Acetate	2.943	43	96959	62.936	ug/L	98
16) Methylene chloride	3.033	84	87502	52.624	ug/L	99
17) trans-1,2-Dichloroethene	3.345	96	68999	50.828	ug/L	96
18) Methyl tert-butyl Ether	3.358	73	227028	51.491	ug/L	99
19) 1,1-Dichloroethane	3.859	63	142629	55.396	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	85595	52.071	ug/L	98
22) 2-Butanone	4.695	43	138996	110.561	ug/L	97
23) Bromochloromethane	4.968	128	47435	54.709	ug/L	96
25) Chloroform	5.078	83	153993	55.581	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	116113	55.205	ug/L	99
29) Cyclohexane	5.383	56	90717	44.059	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	121248	50.898	ug/L	99
31) Carbon tetrachloride	5.518	117	99302	50.464	ug/L	99
33) Benzene	5.766	78	323727	52.134	ug/L	100
34) Trichloroethene	6.538	95	82049	49.515	ug/L	98
35) Methylcyclohexane	6.756	83	99595	43.520	ug/L	98
37) 1,2-Dichloropropane	6.785	63	92622	54.191	ug/L	100
38) Bromodichloromethane	7.100	83	115044	53.122	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	121398	46.423	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	250124	115.786	ug/L	99
42) Toluene	7.965	91	350754	51.742	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	112795	46.958	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	95821	53.532	ug/L	98
46) Tetrachloroethene	8.550	164	65082	47.743	ug/L	96
48) 2-Hexanone	8.679	43	211875	117.191	ug/L	99
49) Dibromochloromethane	8.804	129	93746	53.154	ug/L	97
50) 1,2-Dibromoethane	8.920	107	98903	52.846	ug/L	100
51) Chlorobenzene	9.444	112	224103	49.797	ug/L	99
52) Ethylbenzene	9.566	91	349503	48.280	ug/L	98
53) m,p-Xylene	9.692	106	135565	48.096	ug/L	99
54) o-Xylene	10.097	106	133918	49.408	ug/L	99
55) Styrene	10.110	104	244987	53.576	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	170006	56.319	ug/L	100
59) Bromoform	10.287	173	80782	54.843	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	133604	57.788	ug/L	98
61) Isopropylbenzene	10.479	105	345055	48.592	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	236802	45.553	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	261278	46.923	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	180528	49.020	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	186022	48.862	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	185718	49.920	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	38861	61.463	ug/L	99
69) 1,3,5-Trichlorobenzene	13.219	180	119745	45.098	ug/L	100
70) 1,2,4-trichlorobenzene	13.839	180	101165	42.272	ug/L	99
71) Naphthalene	14.084	128	318209	46.011	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	113165	47.130	ug/L	98

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

