

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U061824\
 Data File : VU059296.D
 Acq On : 18 Jun 2024 08:21
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050184

Quant Time: Jun 19 03:20:12 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	6.245	114	186106	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	187917	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	100192	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	49552	44.469	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.940%
7) Chloroethane-d5	1.904	69	46242	48.445	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.900%
11) 1,1-Dichloroethene-d2	2.563	63	104269	47.406	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.820%
21) 2-Butanone-d5	4.612	46	81223	77.334	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.330%
24) Chloroform-d	5.055	84	106426	47.977	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.960%
26) 1,2-Dichloroethane-d4	5.695	65	62598	46.042	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.080%
32) Benzene-d6	5.721	84	206385	47.852	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.700%
36) 1,2-Dichloropropane-d6	6.685	67	63704	42.838	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.680%
41) Toluene-d8	7.894	98	190035	51.903	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.800%
43) trans-1,3-Dichloroprop...	8.177	79	27289	45.397	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.800%
47) 2-Hexanone-d5	8.627	63	53177	77.328	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.330%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	105427	41.889	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.780%
66) 1,2-Dichlorobenzene-d4	12.190	152	71568	47.865	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	95219	50.496	ug/L	99
3) Chloromethane	1.518	50	97086	44.549	ug/L	98
5) Vinyl chloride	1.599	62	107819	50.349	ug/L	98
6) Bromomethane	1.846	94	71611	41.799	ug/L	97
8) Chloroethane	1.927	64	66630	49.896	ug/L	98
9) Trichlorofluoromethane	2.133	101	138873	55.729	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	86176	59.437	ug/L	91
12) 1,1-Dichloroethene	2.573	96	76729	58.348	ug/L	80
13) Acetone	2.615	43	146572	118.727	ug/L	96
14) Carbon disulfide	2.785	76	227584	51.387	ug/L	99
15) Methyl Acetate	2.940	43	96025	49.105	ug/L	96
16) Methylene chloride	3.036	84	95179	53.492	ug/L	87
17) trans-1,2-Dichloroethene	3.345	96	77849	54.849	ug/L	90
18) Methyl tert-butyl Ether	3.354	73	230880	50.078	ug/L	96
19) 1,1-Dichloroethane	3.859	63	155853	51.228	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	89487	55.328	ug/L	91
22) 2-Butanone	4.689	43	160497	107.383	ug/L	92
23) Bromochloromethane	4.965	128	48824	59.595	ug/L	82
25) Chloroform	5.081	83	163688	55.566	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	124774	50.139	ug/L	97
29) Cyclohexane	5.383	56	117136	46.690	ug/L	93
30) 1,1,1-Trichloroethane	5.309	97	131879	53.976	ug/L	97
31) Carbon tetrachloride	5.518	117	112391	56.631	ug/L	100
33) Benzene	5.766	78	353807	52.141	ug/L	100
34) Trichloroethene	6.538	95	93801	56.456	ug/L	92
35) Methylcyclohexane	6.759	83	133433	54.620	ug/L	93
37) 1,2-Dichloropropane	6.785	63	94389	48.987	ug/L	98
38) Bromodichloromethane	7.100	83	121560	54.161	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	138099	51.801	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	251687	99.636	ug/L #	96
42) Toluene	7.965	91	386025	56.675	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	124246	51.479	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	97417	56.232	ug/L	97
46) Tetrachloroethene	8.550	164	73597	66.501	ug/L	89
48) 2-Hexanone	8.676	43	212177	99.592	ug/L #	95
49) Dibromochloromethane	8.804	129	95570	61.042	ug/L	97
50) 1,2-Dibromoethane	8.917	107	100096	56.012	ug/L	98
51) Chlorobenzene	9.441	112	236895	57.626	ug/L	96
52) Ethylbenzene	9.566	91	390266	55.578	ug/L	98
53) m,p-Xylene	9.689	106	153962	59.658	ug/L	93
54) o-Xylene	10.097	106	147537	58.989	ug/L	94
55) Styrene	10.110	104	261966	61.620	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.775	83	164616	52.162	ug/L	98
59) Bromoform	10.287	173	80753	61.471	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	131980	47.369	ug/L	98
61) Isopropylbenzene	10.480	105	383909	54.464	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	276581	54.156	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	301239	54.411	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	190262	57.752	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	193675	56.924	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	189753	55.108	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	36951	52.313	ug/L	85
69) 1,3,5-Trichlorobenzene	13.216	180	129995	59.748	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	106206	61.117	ug/L	99
71) Naphthalene	14.084	128	300995	54.722	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	114747	64.950	ug/L	98

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

