

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070224\
 Data File : VU059748.D
 Acq On : 02 Jul 2024 18:39
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050198

Quant Time: Jul 03 01:57:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 03 01:39:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	258517	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	260604	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	137003	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	82803	49.886	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.780%
7) Chloroethane-d5	1.907	69	69915	50.077	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.160%
11) 1,1-Dichloroethene-d2	2.560	63	137046	46.475	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.940%
21) 2-Butanone-d5	4.612	46	116466	100.965	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.960%
24) Chloroform-d	5.052	84	155907	48.503	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.695	65	93894	49.128	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.260%
32) Benzene-d6	5.718	84	315101	47.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.440%
36) 1,2-Dichloropropane-d6	6.682	67	98123	47.508	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.020%
41) Toluene-d8	7.891	98	297555	46.887	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.780%
43) trans-1,3-Dichloroprop...	8.174	79	45227	46.796	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.600%
47) 2-Hexanone-d5	8.624	63	86493	99.368	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.370%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	155043	48.908	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.820%
66) 1,2-Dichlorobenzene-d4	12.187	152	114324	45.411	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	76854	47.868	ug/L	100
3) Chloromethane	1.518	50	82923	52.633	ug/L	99
5) Vinyl chloride	1.602	62	96509	52.181	ug/L	98
6) Bromomethane	1.850	94	54515	56.115	ug/L	98
8) Chloroethane	1.927	64	61878	51.390	ug/L	98
9) Trichlorofluoromethane	2.133	101	124074	48.186	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	79242	48.347	ug/L	97
12) 1,1-Dichloroethene	2.573	96	72885	47.549	ug/L	93
13) Acetone	2.615	43	97463	82.051	ug/L	97
14) Carbon disulfide	2.785	76	178584	46.160	ug/L	100
15) Methyl Acetate	2.940	43	91624	51.162	ug/L	98
16) Methylene chloride	3.036	84	93060	48.145	ug/L	95
17) trans-1,2-Dichloroethene	3.345	96	75415	47.790	ug/L	98
18) Methyl tert-butyl Ether	3.351	73	243432	47.495	ug/L	99
19) 1,1-Dichloroethane	3.859	63	149861	50.071	ug/L	98
20) cis-1,2-Dichloroethene	4.657	96	91305	47.782	ug/L	98
22) 2-Butanone	4.692	43	131630	90.069	ug/L	97
23) Bromochloromethane	4.965	128	49425	49.037	ug/L	98
25) Chloroform	5.078	83	161350	50.098	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	121272	49.600	ug/L	99
29) Cyclohexane	5.383	56	103383	44.304	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	126468	46.844	ug/L	99
31) Carbon tetrachloride	5.518	117	103293	46.318	ug/L	100
33) Benzene	5.766	78	348958	49.587	ug/L	100
34) Trichloroethene	6.534	95	87165	46.415	ug/L	97
35) Methylcyclohexane	6.756	83	114522	44.156	ug/L	98
37) 1,2-Dichloropropane	6.782	63	95846	49.481	ug/L	100
38) Bromodichloromethane	7.097	83	118524	48.292	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	134267	45.305	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	244436	99.843	ug/L	100
42) Toluene	7.962	91	374088	48.693	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	126864	46.602	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	97591	48.107	ug/L	98
46) Tetrachloroethene	8.547	164	67173	43.480	ug/L	98
48) 2-Hexanone	8.676	43	194985	95.163	ug/L	97
49) Dibromochloromethane	8.801	129	92472	46.264	ug/L	98
50) 1,2-Dibromoethane	8.917	107	101170	47.699	ug/L	97
51) Chlorobenzene	9.441	112	238041	46.672	ug/L	99
52) Ethylbenzene	9.563	91	383089	46.694	ug/L	100
53) m,p-Xylene	9.689	106	149677	46.856	ug/L	98
54) o-Xylene	10.094	106	147017	47.860	ug/L	99
55) Styrene	10.110	104	257444	49.677	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	172956	50.557	ug/L	98
59) Bromoform	10.283	173	77898	47.024	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	132200	50.844	ug/L	98
61) Isopropylbenzene	10.480	105	377710	47.296	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	266261	45.543	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	296292	47.314	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	192601	46.502	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	196272	45.841	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	193783	46.315	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	34823	48.972	ug/L	98
69) 1,3,5-Trichlorobenzene	13.213	180	131492	44.034	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	113909	42.323	ug/L	99
71) Naphthalene	14.081	128	341436	43.898	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	119933	44.414	ug/L	98

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

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