

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U020724\
 Data File : U057852.D
 Acq On : 07 Feb 2024 20:07
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050139

Quant Time: Feb 08 01:31:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:18:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	258359	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	247323	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	128458	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	102239	49.441	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.880%
7) Chloroethane-d5	1.882	69	75322	46.951	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.900%
11) 1,1-Dichloroethene-d2	2.557	63	177794	46.813	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.620%
21) 2-Butanone-d5	4.611	46	88235	76.883	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.880%
24) Chloroform-d	5.052	84	172464	47.015	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.020%
26) 1,2-Dichloroethane-d4	5.688	65	110350	47.453	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.900%
32) Benzene-d6	5.717	84	344979	46.172	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.340%
36) 1,2-Dichloropropane-d6	6.682	67	110799	46.959	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.920%
41) Toluene-d8	7.891	98	306502	45.249	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.500%
43) trans-1,3-Dichloroprop...	8.174	79	53525	46.372	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.740%
47) 2-Hexanone-d5	8.627	63	106331	110.405	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.400%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	168330	54.804	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	121011	49.033	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	119412	52.278	ug/L	100
3) Chloromethane	1.515	50	117129	54.830	ug/L	100
5) Vinyl chloride	1.599	62	123858	54.877	ug/L	98
6) Bromomethane	1.824	94	39563	28.494	ug/L	100
8) Chloroethane	1.904	64	69099	51.285	ug/L	96
9) Trichlorofluoromethane	2.119	101	156559	49.610	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	93735	50.323	ug/L	99
12) 1,1-Dichloroethene	2.566	96	85880	50.483	ug/L	97
13) Acetone	2.615	43	91708	62.202	ug/L	99
14) Carbon disulfide	2.779	76	258642	49.235	ug/L	100
15) Methyl Acetate	2.936	43	100938	53.814	ug/L	100
16) Methylene chloride	3.033	84	100510	51.138	ug/L	99
17) trans-1,2-Dichloroethene	3.338	96	87462	50.453	ug/L	99
18) Methyl tert-butyl Ether	3.351	73	315500	51.846	ug/L	100
19) 1,1-Dichloroethane	3.856	63	180608	51.915	ug/L	99
20) cis-1,2-Dichloroethene	4.653	96	100866	50.409	ug/L	99
22) 2-Butanone	4.689	43	143459	91.306	ug/L	100
23) Bromochloromethane	4.962	128	50087	51.059	ug/L	96
25) Chloroform	5.078	83	181665	50.991	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	149153	50.555	ug/L	100
29) Cyclohexane	5.377	56	161464	50.171	ug/L	97
30) 1,1,1-Trichloroethane	5.306	97	158315	49.628	ug/L	99
31) Carbon tetrachloride	5.515	117	136652	49.200	ug/L	100
33) Benzene	5.762	78	403794	51.575	ug/L	100
34) Trichloroethene	6.534	95	103147	48.995	ug/L	99
35) Methylcyclohexane	6.756	83	160711	47.717	ug/L	98
37) 1,2-Dichloropropane	6.782	63	108713	50.647	ug/L	100
38) Bromodichloromethane	7.097	83	135360	50.085	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	164567	47.300	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	305080	114.178	ug/L	100
42) Toluene	7.962	91	413477	50.425	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	159165	49.830	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	101082	50.999	ug/L	99
46) Tetrachloroethene	8.547	164	70592	48.344	ug/L	94
48) 2-Hexanone	8.679	43	241709	103.987	ug/L	97
49) Dibromochloromethane	8.804	129	102917	51.483	ug/L	100
50) 1,2-Dibromoethane	8.917	107	107483	50.755	ug/L	99
51) Chlorobenzene	9.441	112	580837	111.534	ug/L	98
52) Ethylbenzene	9.563	91	464365	49.923	ug/L	99
53) m,p-Xylene	9.688	106	170402	49.847	ug/L	96
54) o-Xylene	10.093	106	170072	51.093	ug/L	96
55) Styrene	10.110	104	297110	53.469	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	188213	58.923	ug/L	99
59) Bromoform	10.286	173	79150	53.042	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	147464	54.840	ug/L	100
61) Isopropylbenzene	10.479	105	466696	49.732	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	404591	51.376	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	409290	51.928	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	216615	53.274	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	304520	73.016	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	292128	71.269	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	38848	56.959	ug/L	87
69) 1,3,5-Trichlorobenzene	13.216	180	139477	48.704	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	134810	55.107	ug/L	99
71) Naphthalene	14.084	128	342523	52.230	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	119178	52.065	ug/L	99

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

