

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082024\
 Data File : VV036984.D
 Acq On : 20 Aug 2024 15:01
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050367

Quant Time: Aug 21 02:07:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 21 02:05:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	644117	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	618547	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	318992	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	218408	42.453	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.900%
7) Chloroethane-d5	1.532	69	188740	46.521	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.040%
11) 1,1-Dichloroethene-d2	2.056	65	100988	45.891	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.780%
21) 2-Butanone-d5	3.789	46	223202	81.885	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.880%
24) Chloroform-d	4.239	84	453754	49.149	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.300%
26) 1,2-Dichloroethane-d4	4.934	65	274926	46.316	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.640%
32) Benzene-d6	4.950	84	863179	46.203	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	5.982	67	275834	45.765	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.520%
41) Toluene-d8	7.233	98	782579	45.665	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.320%
43) trans-1,3-Dichloroprop...	7.545	79	123890	39.497	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.000%
47) 2-Hexanone-d5	8.021	63	137627	79.416	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.420%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	315940	45.653	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.300%
66) 1,2-Dichlorobenzene-d4	11.554	152	290015	44.616	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	268221	52.225	ug/L	100
3) Chloromethane	1.217	50	284503	52.932	ug/L	99
5) Vinyl chloride	1.285	62	289363	52.424	ug/L	99
6) Bromomethane	1.487	94	181223	52.148	ug/L	98
8) Chloroethane	1.548	64	183918	53.793	ug/L	99
9) Trichlorofluoromethane	1.712	101	395465	54.698	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	235390	55.253	ug/L	99
12) 1,1-Dichloroethene	2.069	96	214145	52.631	ug/L	92
13) Acetone	2.111	43	159472	69.925	ug/L	100
14) Carbon disulfide	2.236	76	573475	44.869	ug/L	100
15) Methyl Acetate	2.368	43	211127	44.938	ug/L	100
16) Methylene chloride	2.442	84	249962	54.646	ug/L	100
17) trans-1,2-Dichloroethene	2.686	96	223874	53.119	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	747404	50.352	ug/L	100
19) 1,1-Dichloroethane	3.101	63	463691	54.456	ug/L	98
20) cis-1,2-Dichloroethene	3.805	96	255218	51.593	ug/L	95
22) 2-Butanone	3.870	43	233231	76.339	ug/L	99
23) Bromochloromethane	4.133	128	127584	53.095	ug/L	97
25) Chloroform	4.265	83	471358	53.896	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	345632	50.102	ug/L	100
29) Cyclohexane	4.567	56	375652	47.665	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	392603	50.379	ug/L	99
31) Carbon tetrachloride	4.722	117	330385	50.482	ug/L	99
33) Benzene	4.998	78	961760	51.985	ug/L	100
34) Trichloroethene	5.825	95	264842	49.394	ug/L	99
35) Methylcyclohexane	6.040	83	387387	47.084	ug/L	99
37) 1,2-Dichloropropane	6.085	63	263549	53.775	ug/L	99
38) Bromodichloromethane	6.426	83	345001	51.119	ug/L	100
39) cis-1,3-Dichloropropene	6.947	75	416757	49.652	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	511789	84.298	ug/L	99
42) Toluene	7.307	91	1009694	51.239	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	366010	46.795	ug/L	99
45) 1,1,2-Trichloroethane	7.760	97	241353	50.852	ug/L	98
46) Tetrachloroethene	7.895	164	178730	50.819	ug/L	98
48) 2-Hexanone	8.072	43	365369	81.804	ug/L	98
49) Dibromochloromethane	8.169	129	247304	50.704	ug/L	97
50) 1,2-Dibromoethane	8.275	107	247469	50.254	ug/L	99
51) Chlorobenzene	8.805	112	663366	52.465	ug/L	100
52) Ethylbenzene	8.937	91	1153261	51.255	ug/L	100
53) m,p-Xylene	9.066	106	428523	50.951	ug/L	98
54) o-Xylene	9.471	106	418639	50.892	ug/L	98
55) Styrene	9.487	104	733673	52.045	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	322480	50.354	ug/L	98
59) Bromoform	9.657	173	158513	44.918	ug/L	97
60) Isopropylbenzene	9.860	105	1152730	49.637	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	258565	45.028	ug/L	99
62) 1,3,5-Trimethylbenzene	10.467	105	939634	48.599	ug/L	98
63) 1,2,4-Trimethylbenzene	10.844	105	928977	47.998	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	510573	51.126	ug/L	98
65) 1,4-Dichlorobenzene	11.201	146	521226	51.325	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	503753	51.649	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	61260	36.917	ug/L	96
69) 1,3,5-Trichlorobenzene	12.577	180	346026	48.825	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	327258	48.146	ug/L	99
71) Naphthalene	13.432	128	900235	41.301	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	324400	48.756	ug/L	98

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

