

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092023\
 Data File : VV032152.D
 Acq On : 20 Sep 2023 17:28
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050301

Quant Time: Sep 21 01:40:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 21 01:37:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	253738	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	247749	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	133900	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	74015	46.609	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.220%
7) Chloroethane-d5	1.529	69	61903	44.469	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.940%
11) 1,1-Dichloroethene-d2	2.060	65	31232	42.002	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.000%
21) 2-Butanone-d5	3.790	46	117963	94.450	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.450%
24) Chloroform-d	4.253	84	142975	41.192	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.380%
26) 1,2-Dichloroethane-d4	4.944	65	86529	37.566	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.140%
32) Benzene-d6	4.963	84	284246	42.046	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.100%
36) 1,2-Dichloropropane-d6	5.992	67	91626	42.109	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.220%
41) Toluene-d8	7.246	98	261707	42.014	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.020%
43) trans-1,3-Dichloroprop...	7.555	79	43655	38.708	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.420%
47) 2-Hexanone-d5	8.027	63	78660	117.946	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.950%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	127013	45.171	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.340%
66) 1,2-Dichlorobenzene-d4	11.564	152	102247	41.889	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	58200	37.677	ug/L	98
3) Chloromethane	1.217	50	66358	42.128	ug/L	99
5) Vinyl chloride	1.282	62	69288	41.190	ug/L	97
6) Bromomethane	1.484	94	42206	42.613	ug/L	99
8) Chloroethane	1.548	64	48515	43.397	ug/L	97
9) Trichlorofluoromethane	1.712	101	106558	43.456	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	67782	45.782	ug/L	98
12) 1,1-Dichloroethene	2.069	96	57451	43.201	ug/L	95
13) Acetone	2.111	43	104328	93.851	ug/L	98
14) Carbon disulfide	2.240	76	110199	36.367	ug/L	100
15) Methyl Acetate	2.375	43	105569	53.249	ug/L	99
16) Methylene chloride	2.449	84	83165	48.665	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	65325	44.806	ug/L	90
18) Methyl tert-butyl Ether	2.706	73	288313	46.791	ug/L	97
19) 1,1-Dichloroethane	3.114	63	157302	48.144	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	86873	47.494	ug/L	94
22) 2-Butanone	3.870	43	150558	102.355	ug/L	97
23) Bromochloromethane	4.150	128	43653	49.191	ug/L	98
25) Chloroform	4.278	83	159464	46.941	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.044	62	116379	43.485	ug/L	96
29) Cyclohexane	4.587	56	107956	41.851	ug/L	98
30) 1,1,1-Trichloroethane	4.516	97	130338	45.102	ug/L	99
31) Carbon tetrachloride	4.738	117	105733	43.089	ug/L	98
33) Benzene	5.011	78	312749	46.982	ug/L	100
34) Trichloroethene	5.838	95	86550	42.513	ug/L	97
35) Methylcyclohexane	6.053	83	107512	39.703	ug/L	97
37) 1,2-Dichloropropane	6.095	63	94187	49.918	ug/L	100
38) Bromodichloromethane	6.436	83	124965	46.660	ug/L	100
39) cis-1,3-Dichloropropene	6.957	75	150548	45.892	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	312407	104.317	ug/L	99
42) Toluene	7.320	91	340956	46.562	ug/L	100
44) trans-1,3-Dichloropropene	7.584	75	137579	43.649	ug/L	97
45) 1,1,2-Trichloroethane	7.770	97	96177	50.453	ug/L	98
46) Tetrachloroethene	7.908	164	58047	45.408	ug/L	98
48) 2-Hexanone	8.079	43	235841	103.121	ug/L	99
49) Dibromochloromethane	8.178	129	93904	47.938	ug/L	99
50) 1,2-Dibromoethane	8.285	107	96506	48.335	ug/L	99
51) Chlorobenzene	8.818	112	233374	47.963	ug/L	97
52) Ethylbenzene	8.950	91	393403	45.354	ug/L	100
53) m,p-Xylene	9.075	106	144818	44.966	ug/L	96
54) o-Xylene	9.481	106	148677	46.416	ug/L	100
55) Styrene	9.500	104	264150	46.648	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.182	83	154487	57.249	ug/L	99
59) Bromoform	9.667	173	67230	48.419	ug/L	98
60) Isopropylbenzene	9.870	105	407685	45.458	ug/L	99
61) 1,2,3-Trichloropropane	10.211	75	124122	49.065	ug/L	99
62) 1,3,5-Trimethylbenzene	10.481	105	333278	44.171	ug/L	97
63) 1,2,4-Trimethylbenzene	10.854	105	334958	44.130	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	191720	47.700	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	194406	47.567	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	194493	48.833	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	33392	43.944	ug/L	86
69) 1,3,5-Trichlorobenzene	12.587	180	140076	47.806	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	134601	47.857	ug/L	99
71) Naphthalene	13.442	128	420396	46.784	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	136725	50.732	ug/L	98

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

