

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121223\
 Data File : VV033267.D
 Acq On : 12 Dec 2023 16:56
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050359

Quant Time: Dec 13 00:44:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 21:51:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	280376	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	275574	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	173644	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	88561	52.838	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.680%
7) Chloroethane-d5	1.532	69	61639	52.780	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.560%
11) 1,1-Dichloroethene-d2	2.060	65	33847	53.083	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.160%
21) 2-Butanone-d5	3.780	46	82787	99.446	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.450%
24) Chloroform-d	4.246	84	189647	53.317	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.640%
26) 1,2-Dichloroethane-d4	4.941	65	120795	54.622	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.240%
32) Benzene-d6	4.960	84	354147	54.949	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.900%
36) 1,2-Dichloropropane-d6	5.986	67	88836	51.264	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.520%
41) Toluene-d8	7.243	98	357822	58.199	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.400%
43) trans-1,3-Dichloroprop...	7.551	79	58118	53.037	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.080%
47) 2-Hexanone-d5	8.021	63	72523	104.174	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.170%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	136848	55.552	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.100%
66) 1,2-Dichlorobenzene-d4	11.561	152	167234	54.129	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	143596	46.855	ug/L	99
3) Chloromethane	1.214	50	91069	45.055	ug/L	99
5) Vinyl chloride	1.282	62	90410	46.638	ug/L	99
6) Bromomethane	1.484	94	59472	47.016	ug/L	99
8) Chloroethane	1.548	64	50798	49.219	ug/L	100
9) Trichlorofluoromethane	1.712	101	173555	54.257	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	81074	53.973	ug/L	98
12) 1,1-Dichloroethene	2.069	96	74692	53.137	ug/L	95
13) Acetone	2.108	43	65606	82.551	ug/L	98
14) Carbon disulfide	2.243	76	223740	44.365	ug/L	99
15) Methyl Acetate	2.368	43	64983	49.059	ug/L	96
16) Methylene chloride	2.449	84	92618	49.759	ug/L	92
17) trans-1,2-Dichloroethene	2.693	96	89977	48.753	ug/L	96
18) Methyl tert-butyl Ether	2.700	73	288541	51.465	ug/L	98
19) 1,1-Dichloroethane	3.111	63	147251	48.206	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	101913	52.042	ug/L	96
22) 2-Butanone	3.860	43	88621	87.624	ug/L	96
23) Bromochloromethane	4.146	128	56982	50.676	ug/L	94
25) Chloroform	4.275	83	182388	51.917	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	146274	52.691	ug/L	99
29) Cyclohexane	4.584	56	119567	46.975	ug/L	93
30) 1,1,1-Trichloroethane	4.513	97	183537	53.891	ug/L	98
31) Carbon tetrachloride	4.735	117	174936	55.242	ug/L	97
33) Benzene	5.008	78	360666	51.647	ug/L	100
34) Trichloroethene	5.831	95	102925	49.334	ug/L	96
35) Methylcyclohexane	6.050	83	152069	50.223	ug/L	98
37) 1,2-Dichloropropane	6.092	63	79927	49.455	ug/L	97
38) Bromodichloromethane	6.433	83	138990	53.345	ug/L	96
39) cis-1,3-Dichloropropene	6.953	75	143150	48.813	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	178097	103.788	ug/L	98
42) Toluene	7.314	91	420911	53.489	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	152004	51.259	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	100572	53.670	ug/L	96
46) Tetrachloroethene	7.905	164	97507	54.369	ug/L	94
48) 2-Hexanone	8.072	43	133764	94.021	ug/L	94
49) Dibromochloromethane	8.175	129	121747	54.425	ug/L	99
50) 1,2-Dibromoethane	8.281	107	107073	53.595	ug/L	98
51) Chlorobenzene	8.812	112	292802	52.912	ug/L	99
52) Ethylbenzene	8.947	91	480662	53.066	ug/L	100
53) m,p-Xylene	9.072	106	194788	54.304	ug/L	93
54) o-Xylene	9.477	106	189224	53.460	ug/L	98
55) Styrene	9.493	104	335989	54.872	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	139629	54.538	ug/L	98
59) Bromoform	9.664	173	99644	52.873	ug/L	99
60) Isopropylbenzene	9.866	105	525339	52.470	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	109006	50.344	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	420674	52.149	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	440563	52.442	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	270028	50.482	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	281132	50.596	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	272062	51.882	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	32440	48.828	ug/L	87
69) 1,3,5-Trichlorobenzene	12.583	180	212917	49.694	ug/L	100
70) 1,2,4-trichlorobenzene	13.198	180	196119	49.544	ug/L	99
71) Naphthalene	13.439	128	473827	49.083	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	197325	51.661	ug/L	99

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

