

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112423\
 Data File : VV033063.D
 Acq On : 24 Nov 2023 10:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050339

Quant Time: Nov 27 00:51:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 22 03:48:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	325821	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	320223	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	198813	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	65730	38.584	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.160%
7) Chloroethane-d5	1.532	69	50950	38.888	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.780%
11) 1,1-Dichloroethene-d2	2.060	65	28694	41.165	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.320%
21) 2-Butanone-d5	3.777	46	95867	88.449	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.450%
24) Chloroform-d	4.246	84	191725	45.667	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.340%
26) 1,2-Dichloroethane-d4	4.937	65	117503	44.868	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.740%
32) Benzene-d6	4.957	84	342004	45.862	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.720%
36) 1,2-Dichloropropane-d6	5.985	67	97030	45.885	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.780%
41) Toluene-d8	7.243	98	333464	46.843	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.680%
43) trans-1,3-Dichloroprop...	7.548	79	56351	45.646	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.300%
47) 2-Hexanone-d5	8.021	63	81453	93.084	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.080%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	142560	44.289	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.580%
66) 1,2-Dichlorobenzene-d4	11.561	152	163173	46.025	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	162225	46.086	ug/L	96
3) Chloromethane	1.217	50	107671	40.987	ug/L	99
5) Vinyl chloride	1.285	62	103268	42.377	ug/L	98
6) Bromomethane	1.487	94	66630	41.378	ug/L	98
8) Chloroethane	1.548	64	54264	40.260	ug/L	98
9) Trichlorofluoromethane	1.716	101	182329	46.216	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	88205	45.343	ug/L	96
12) 1,1-Dichloroethene	2.072	96	79522	44.274	ug/L	87
13) Acetone	2.108	43	81389	76.746	ug/L	99
14) Carbon disulfide	2.243	76	255028	42.692	ug/L	99
15) Methyl Acetate	2.371	43	77652	41.767	ug/L	98
16) Methylene chloride	2.449	84	107566	42.271	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	103104	44.854	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	330616	45.851	ug/L	99
19) 1,1-Dichloroethane	3.111	63	180464	43.950	ug/L	97
20) cis-1,2-Dichloroethene	3.812	96	117780	45.699	ug/L	99
22) 2-Butanone	3.857	43	107637	78.387	ug/L	98
23) Bromochloromethane	4.143	128	64448	45.463	ug/L	96
25) Chloroform	4.272	83	212492	45.978	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	165818	45.992	ug/L	98
29) Cyclohexane	4.580	56	145542	47.108	ug/L	97
30) 1,1,1-Trichloroethane	4.510	97	201747	48.236	ug/L	100
31) Carbon tetrachloride	4.735	117	188287	48.308	ug/L	98
33) Benzene	5.008	78	426963	47.935	ug/L	100
34) Trichloroethene	5.831	95	121905	48.556	ug/L	98
35) Methylcyclohexane	6.050	83	178908	49.029	ug/L	98
37) 1,2-Dichloropropane	6.092	63	103964	47.554	ug/L	99
38) Bromodichloromethane	6.429	83	158763	46.738	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	179783	47.766	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	213247	89.173	ug/L	97
42) Toluene	7.313	91	482013	48.840	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	181773	48.061	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	114748	46.605	ug/L	98
46) Tetrachloroethene	7.905	164	105749	48.335	ug/L	98
48) 2-Hexanone	8.072	43	165898	87.689	ug/L	98
49) Dibromochloromethane	8.175	129	136689	48.169	ug/L	99
50) 1,2-Dibromoethane	8.281	107	122332	47.440	ug/L	99
51) Chlorobenzene	8.812	112	329982	47.117	ug/L	99
52) Ethylbenzene	8.944	91	553175	48.825	ug/L	100
53) m,p-Xylene	9.072	106	221051	49.659	ug/L	99
54) o-Xylene	9.477	106	211545	49.370	ug/L	98
55) Styrene	9.493	104	386073	50.509	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	154463	44.409	ug/L	100
59) Bromoform	9.664	173	112136	48.397	ug/L	99
60) Isopropylbenzene	9.866	105	596677	49.506	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	125533	43.769	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	476931	49.321	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	499173	49.275	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	311030	48.168	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	320461	46.689	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	306861	47.360	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	34973	41.916	ug/L	98
69) 1,3,5-Trichlorobenzene	12.583	180	244138	48.631	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	226055	49.135	ug/L	100
71) Naphthalene	13.439	128	540449	47.494	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	225299	50.509	ug/L	100

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

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