

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112123\
 Data File : VW033040.D
 Acq On : 21 Nov 2023 08:46
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050335

Quant Time: Nov 22 03:46:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 20 23:40:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	358214	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	353763	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	216044	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	75768	40.455	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.900%
7) Chloroethane-d5	1.532	69	58278	40.459	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.920%
11) 1,1-Dichloroethene-d2	2.060	65	32168	41.975	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.960%
21) 2-Butanone-d5	3.780	46	99709	83.674	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.670%
24) Chloroform-d	4.246	84	203216	44.027	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.060%
26) 1,2-Dichloroethane-d4	4.937	65	123952	43.050	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.100%
32) Benzene-d6	4.957	84	368672	44.751	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.500%
36) 1,2-Dichloropropane-d6	5.986	67	104026	44.530	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.060%
41) Toluene-d8	7.243	98	359922	45.767	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.540%
43) trans-1,3-Dichloroprop...	7.551	79	60302	44.216	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.440%
47) 2-Hexanone-d5	8.021	63	83415	86.288	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.290%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	151047	42.477	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.960%
66) 1,2-Dichlorobenzene-d4	11.561	152	169472	43.989	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	167439	43.266	ug/L	97
3) Chloromethane	1.214	50	113817	39.409	ug/L	99
5) Vinyl chloride	1.285	62	109781	40.976	ug/L	98
6) Bromomethane	1.484	94	71669	40.483	ug/L	98
8) Chloroethane	1.548	64	59705	40.291	ug/L	99
9) Trichlorofluoromethane	1.716	101	186976	43.108	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	91529	42.796	ug/L	96
12) 1,1-Dichloroethene	2.069	96	85437	43.265	ug/L	96
13) Acetone	2.108	43	93665	80.335	ug/L	97
14) Carbon disulfide	2.243	76	285416	43.458	ug/L	99
15) Methyl Acetate	2.368	43	83101	40.656	ug/L	98
16) Methylene chloride	2.445	84	115377	41.240	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	111602	44.160	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	345594	43.594	ug/L	99
19) 1,1-Dichloroethane	3.111	63	192265	42.590	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	123817	43.697	ug/L	99
22) 2-Butanone	3.860	43	125491	83.125	ug/L	100
23) Bromochloromethane	4.146	128	68305	43.827	ug/L	99
25) Chloroform	4.272	83	220561	43.409	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	174816	44.103	ug/L	97
29) Cyclohexane	4.584	56	157199	46.057	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	209764	45.398	ug/L	99
31) Carbon tetrachloride	4.735	117	193942	45.041	ug/L	100
33) Benzene	5.008	78	449641	45.695	ug/L	100
34) Trichloroethene	5.831	95	127548	45.987	ug/L	99
35) Methylcyclohexane	6.050	83	194074	48.142	ug/L	99
37) 1,2-Dichloropropane	6.092	63	107449	44.488	ug/L	99
38) Bromodichloromethane	6.429	83	164962	43.958	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	191560	46.070	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	229086	86.714	ug/L	98
42) Toluene	7.313	91	503073	46.141	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	187831	44.955	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	119949	44.099	ug/L	99
46) Tetrachloroethene	7.905	164	109888	45.464	ug/L	98
48) 2-Hexanone	8.072	43	180557	86.389	ug/L	98
49) Dibromochloromethane	8.175	129	137414	43.833	ug/L	98
50) 1,2-Dibromoethane	8.281	107	127012	44.585	ug/L	97
51) Chlorobenzene	8.812	112	342521	44.271	ug/L	99
52) Ethylbenzene	8.944	91	575622	45.989	ug/L	100
53) m,p-Xylene	9.072	106	226064	45.970	ug/L	97
54) o-Xylene	9.477	106	219111	46.288	ug/L	98
55) Styrene	9.493	104	395332	46.817	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	162258	42.228	ug/L	98
59) Bromoform	9.664	173	108382	43.046	ug/L	100
60) Isopropylbenzene	9.866	105	614449	46.915	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	129788	41.643	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	493544	46.968	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	521855	47.406	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	320887	45.731	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	323726	43.403	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	313948	44.589	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	35855	39.546	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	251717	46.142	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	229957	45.997	ug/L	99
71) Naphthalene	13.439	128	553894	44.794	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	225909	46.606	ug/L	99

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

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