

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012424\
 Data File : VW033841.D
 Acq On : 24 Jan 2024 09:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050386

Quant Time: Jan 25 00:52:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 24 02:00:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	217335	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	199052	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	104165	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	85104	50.951	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.900%
7) Chloroethane-d5	1.529	69	64304	48.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.220%
11) 1,1-Dichloroethene-d2	2.060	65	37274	51.852	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.700%
21) 2-Butanone-d5	3.783	46	81918	71.501	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	71.500%
24) Chloroform-d	4.246	84	137638	46.083	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.160%
26) 1,2-Dichloroethane-d4	4.937	65	90698	46.999	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.000%
32) Benzene-d6	4.957	84	264067	46.664	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.320%
36) 1,2-Dichloropropane-d6	5.986	67	79187	42.511	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.020%
41) Toluene-d8	7.240	98	246649	48.375	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.740%
43) trans-1,3-Dichloroprop...	7.551	79	42641	46.319	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.640%
47) 2-Hexanone-d5	8.021	63	58495	75.706	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	75.710%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	93101	39.151	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.300%
66) 1,2-Dichlorobenzene-d4	11.561	152	93155	47.136	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	82188	45.457	ug/L	99
3) Chloromethane	1.217	50	88624	43.106	ug/L	99
5) Vinyl chloride	1.285	62	92153	46.853	ug/L	100
6) Bromomethane	1.481	94	46237	44.980	ug/L	100
8) Chloroethane	1.545	64	57394	48.936	ug/L	97
9) Trichlorofluoromethane	1.712	101	138862	59.163	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	77645	56.150	ug/L	96
12) 1,1-Dichloroethene	2.069	96	73060	56.013	ug/L	95
13) Acetone	2.111	43	119226	108.841	ug/L	100
14) Carbon disulfide	2.240	76	209822	47.330	ug/L	99
15) Methyl Acetate	2.372	43	73955	41.287	ug/L #	100
16) Methylene chloride	2.446	84	76986	48.382	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	70146	48.144	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	253166	48.312	ug/L	99
19) 1,1-Dichloroethane	3.111	63	140738	47.248	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	78943	48.683	ug/L	95
22) 2-Butanone	3.864	43	114155	85.804	ug/L	99
23) Bromochloromethane	4.143	128	40495	51.405	ug/L	86
25) Chloroform	4.272	83	142004	50.281	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	119277	50.564	ug/L	99
29) Cyclohexane	4.580	56	129025	45.979	ug/L	95
30) 1,1,1-Trichloroethane	4.510	97	130089	54.459	ug/L	98
31) Carbon tetrachloride	4.732	117	117564	57.659	ug/L	98
33) Benzene	5.008	78	294375	50.351	ug/L	100
34) Trichloroethene	5.831	95	78720	50.195	ug/L	98
35) Methylcyclohexane	6.047	83	131014	48.815	ug/L	97
37) 1,2-Dichloropropane	6.092	63	76543	47.577	ug/L	98
38) Bromodichloromethane	6.429	83	107281	50.973	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	128309	47.759	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	198546	83.288	ug/L	97
42) Toluene	7.314	91	313369	50.705	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	120888	48.829	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	71845	49.218	ug/L	98
46) Tetrachloroethene	7.902	164	62083	53.971	ug/L	97
48) 2-Hexanone	8.072	43	163973	86.325	ug/L	98
49) Dibromochloromethane	8.175	129	78117	51.382	ug/L	100
50) 1,2-Dibromoethane	8.281	107	74935	48.576	ug/L	98
51) Chlorobenzene	8.812	112	200486	50.927	ug/L	98
52) Ethylbenzene	8.944	91	355316	49.638	ug/L	100
53) m,p-Xylene	9.072	106	134973	51.074	ug/L	96
54) o-Xylene	9.477	106	132265	50.555	ug/L	99
55) Styrene	9.493	104	226936	50.241	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	103368	44.496	ug/L	99
59) Bromoform	9.664	173	54855	49.549	ug/L	96
60) Isopropylbenzene	9.866	105	364997	51.790	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	81445	44.056	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	308221	50.971	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	304794	50.587	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	163396	51.327	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	164236	51.452	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	159884	51.401	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	22808	42.754	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	126412	53.737	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	114758	53.747	ug/L	98
71) Naphthalene	13.439	128	245032	43.918	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	106188	53.283	ug/L	99

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

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