

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031424\
 Data File : VW034636.D
 Acq On : 15 Mar 2024 05:01
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050290

Quant Time: Mar 15 06:59:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 15 06:40:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	306152	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	287972	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	151239	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	127724	48.125	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.240%
7) Chloroethane-d5	1.529	69	103699	50.153	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.300%
11) 1,1-Dichloroethene-d2	2.056	65	58155	48.451	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.900%
21) 2-Butanone-d5	3.786	46	187515	105.652	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.650%
24) Chloroform-d	4.249	84	234743	50.024	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.040%
26) 1,2-Dichloroethane-d4	4.940	65	152137	49.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.220%
32) Benzene-d6	4.957	84	440080	50.636	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.280%
36) 1,2-Dichloropropane-d6	5.989	67	135879	51.230	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.460%
41) Toluene-d8	7.243	98	399909	50.847	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.700%
43) trans-1,3-Dichloroprop...	7.551	79	62500	46.925	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.840%
47) 2-Hexanone-d5	8.024	63	132246	99.849	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.850%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	182350	52.243	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.480%
66) 1,2-Dichlorobenzene-d4	11.561	152	151414	48.980	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.960%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	155581	48.448	ug/L	98
3) Chloromethane	1.214	50	146265	46.353	ug/L	99
5) Vinyl chloride	1.281	62	147464	48.143	ug/L	99
6) Bromomethane	1.487	94	87224	47.462	ug/L	99
8) Chloroethane	1.545	64	89820	49.336	ug/L	98
9) Trichlorofluoromethane	1.712	101	225674	49.199	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	120924	48.913	ug/L	98
12) 1,1-Dichloroethene	2.069	96	110134	48.042	ug/L	96
13) Acetone	2.117	43	184483	86.464	ug/L	99
14) Carbon disulfide	2.240	76	317151	49.849	ug/L	100
15) Methyl Acetate	2.375	43	162787	59.637	ug/L	98
16) Methylene chloride	2.445	84	134628	55.364	ug/L	100
17) trans-1,2-Dichloroethene	2.693	96	112590	50.743	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	425725	53.428	ug/L	99
19) 1,1-Dichloroethane	3.111	63	231717	53.310	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	126424	52.514	ug/L	96
22) 2-Butanone	3.870	43	210833	100.066	ug/L	95
23) Bromochloromethane	4.146	128	65548	52.654	ug/L	95
25) Chloroform	4.275	83	236483	52.491	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	192273	52.529	ug/L	99
29) Cyclohexane	4.580	56	197073	52.029	ug/L	98
30) 1,1,1-Trichloroethane	4.510	97	212034	51.347	ug/L	99
31) Carbon tetrachloride	4.735	117	187980	51.416	ug/L	98
33) Benzene	5.008	78	470849	52.676	ug/L	100
34) Trichloroethene	5.831	95	128869	50.719	ug/L	97
35) Methylcyclohexane	6.050	83	194198	50.275	ug/L	100
37) 1,2-Dichloropropane	6.092	63	127945	54.672	ug/L	99
38) Bromodichloromethane	6.432	83	170647	51.840	ug/L	97
39) cis-1,3-Dichloropropene	6.953	75	188807	49.796	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	381492	110.552	ug/L	98
42) Toluene	7.313	91	493785	52.196	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	184671	50.641	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	123344	54.625	ug/L	98
46) Tetrachloroethene	7.905	164	95038	50.295	ug/L	98
48) 2-Hexanone	8.072	43	298403	108.520	ug/L	97
49) Dibromochloromethane	8.175	129	128193	53.799	ug/L	96
50) 1,2-Dibromoethane	8.281	107	130259	54.363	ug/L	99
51) Chlorobenzene	8.812	112	316251	51.710	ug/L	99
52) Ethylbenzene	8.947	91	554561	52.317	ug/L	99
53) m,p-Xylene	9.072	106	206570	51.354	ug/L	99
54) o-Xylene	9.477	106	203043	51.549	ug/L	98
55) Styrene	9.493	104	354085	53.094	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	183148	54.003	ug/L	99
59) Bromoform	9.664	173	88035	52.502	ug/L	99
60) Isopropylbenzene	9.866	105	560216	52.374	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	159174	55.135	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	467913	51.858	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	467862	52.428	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	255031	51.568	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	254047	50.584	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	256246	51.708	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	47419	55.139	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	181643	48.959	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	165668	49.625	ug/L	99
71) Naphthalene	13.438	128	512556	57.397	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	174535	53.592	ug/L	98

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

