

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042623\
 Data File : VW030874.D
 Acq On : 26 Apr 2023 12:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050342

Quant Time: Apr 27 04:42:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 22 00:43:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	249626	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	239785	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	144536	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	65924	36.025	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.040%
7) Chloroethane-d5	1.535	69	59657	38.903	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.800%
11) 1,1-Dichloroethene-d2	2.063	65	32931	37.947	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.900%
21) 2-Butanone-d5	3.799	46	98385	97.884	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.880%
24) Chloroform-d	4.256	84	150311	45.325	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.640%
26) 1,2-Dichloroethane-d4	4.947	65	101396	47.557	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.120%
32) Benzene-d6	4.966	84	264113	46.587	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.180%
36) 1,2-Dichloropropane-d6	5.995	67	78851	44.776	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.560%
41) Toluene-d8	7.249	98	256348	48.160	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.320%
43) trans-1,3-Dichloroprop...	7.558	79	44852	50.533	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.060%
47) 2-Hexanone-d5	8.030	63	61767	89.037	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.040%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	122834	48.070	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.140%
66) 1,2-Dichlorobenzene-d4	11.567	152	112189	48.834	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	87105	40.586	ug/L	100
3) Chloromethane	1.217	50	100544	35.713	ug/L	99
5) Vinyl chloride	1.285	62	91322	40.234	ug/L	99
6) Bromomethane	1.490	94	43227	48.028	ug/L	98
8) Chloroethane	1.552	64	61484	39.493	ug/L	99
9) Trichlorofluoromethane	1.716	101	165083	44.875	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	86440	44.711	ug/L	98
12) 1,1-Dichloroethene	2.072	96	75206	43.026	ug/L	96
13) Acetone	2.124	43	146174	93.983	ug/L	99
14) Carbon disulfide	2.246	76	182861	37.039	ug/L	99
15) Methyl Acetate	2.378	43	90761	43.728	ug/L	98
16) Methylene chloride	2.452	84	83046	41.518	ug/L	95
17) trans-1,2-Dichloroethene	2.699	96	75436	42.751	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	266773	47.200	ug/L	98
19) 1,1-Dichloroethane	3.117	63	150541	41.844	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	84606	44.077	ug/L	99
22) 2-Butanone	3.876	43	143101	89.033	ug/L	97
23) Bromochloromethane	4.153	128	48655	45.384	ug/L	95
25) Chloroform	4.285	83	166340	44.671	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	148058	46.971	ug/L	98
29) Cyclohexane	4.590	56	122554	42.590	ug/L	98
30) 1,1,1-Trichloroethane	4.519	97	155785	46.236	ug/L	100
31) Carbon tetrachloride	4.744	117	137225	45.553	ug/L	99
33) Benzene	5.018	78	327455	44.971	ug/L	100
34) Trichloroethene	5.838	95	83812	44.251	ug/L	96
35) Methylcyclohexane	6.056	83	133176	44.875	ug/L	98
37) 1,2-Dichloropropane	6.098	63	84083	42.903	ug/L	98
38) Bromodichloromethane	6.439	83	123316	44.791	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	131627	44.748	ug/L	98
40) 4-Methyl-2-pentanone	7.165	43	257843	94.182	ug/L	99
42) Toluene	7.320	91	366006	46.928	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	136470	47.223	ug/L	97
45) 1,1,2-Trichloroethane	7.773	97	90172	45.884	ug/L	97
46) Tetrachloroethene	7.911	164	76754	46.298	ug/L	98
48) 2-Hexanone	8.082	43	211153	93.475	ug/L	97
49) Dibromochloromethane	8.181	129	97059	44.775	ug/L	97
50) 1,2-Dibromoethane	8.288	107	90088	44.242	ug/L	98
51) Chlorobenzene	8.818	112	239058	46.281	ug/L	99
52) Ethylbenzene	8.953	91	403553	46.739	ug/L	99
53) m,p-Xylene	9.079	106	158290	48.535	ug/L	97
54) o-Xylene	9.484	106	149968	47.004	ug/L	100
55) Styrene	9.503	104	271158	48.383	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	141928	43.987	ug/L	96
59) Bromoform	9.670	173	79251	43.795	ug/L	100
60) Isopropylbenzene	9.873	105	418895	46.471	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	111125	42.927	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	345502	46.553	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	345755	46.659	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	213809	47.377	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	220458	46.326	ug/L	100
67) 1,2-Dichlorobenzene	11.586	146	213012	46.787	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	31899	41.591	ug/L	95
69) 1,3,5-Trichlorobenzene	12.590	180	167978	49.273	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	142704	49.301	ug/L	99
71) Naphthalene	13.448	128	399267	50.425	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	145600	50.728	ug/L	99

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

