

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121823\
 Data File : VV033467.D
 Acq On : 18 Dec 2023 19:23
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050369

Quant Time: Dec 19 01:15:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 16 20:24:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	222316	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	226277	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	128042	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	90840	53.060	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	106.120%	
7) Chloroethane-d5	1.529	69	74936	48.774	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	97.540%	
11) 1,1-Dichloroethene-d2	2.059	65	40590	47.627	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	95.260%	
21) 2-Butanone-d5	3.783	46	87225	101.090	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	101.090%	
24) Chloroform-d	4.249	84	157959	46.643	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	93.280%	
26) 1,2-Dichloroethane-d4	4.940	65	97553	46.892	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	93.780%	
32) Benzene-d6	4.960	84	293446	48.150	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	96.300%	
36) 1,2-Dichloropropane-d6	5.989	67	87111	47.096	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	94.200%	
41) Toluene-d8	7.243	98	273963	49.129	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	98.260%	
43) trans-1,3-Dichloroprop...	7.554	79	42044	46.381	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	92.760%	
47) 2-Hexanone-d5	8.024	63	63034	101.321	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	101.320%	
56) 1,1,2,2-Tetrachloroeth...	10.152	84	125806	47.324	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	94.640%	
66) 1,2-Dichlorobenzene-d4	11.561	152	105556	43.870	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	87.740%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	93322	51.093	ug/L	100
3) Chloromethane	1.214	50	89362	53.143	ug/L	98
5) Vinyl chloride	1.281	62	94234	52.275	ug/L	99
6) Bromomethane	1.484	94	63563	49.259	ug/L	98
8) Chloroethane	1.548	64	64511	53.010	ug/L	99
9) Trichlorofluoromethane	1.712	101	162782	51.497	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	92025	49.901	ug/L	98
12) 1,1-Dichloroethene	2.069	96	82417	52.608	ug/L	95
13) Acetone	2.108	43	108921	108.750	ug/L	98
14) Carbon disulfide	2.240	76	199131	49.740	ug/L	98
15) Methyl Acetate	2.371	43	86857	60.722	ug/L	97
16) Methylene chloride	2.445	84	90488	51.716	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	77048	52.031	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	243339	54.113	ug/L	99
19) 1,1-Dichloroethane	3.111	63	157140	55.368	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	86199	51.341	ug/L	98
22) 2-Butanone	3.866	43	112822	114.336	ug/L	100
23) Bromochloromethane	4.149	128	48537	52.742	ug/L	95
25) Chloroform	4.275	83	172311	53.950	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	132583	53.853	ug/L	99
29) Cyclohexane	4.583	56	108782	53.340	ug/L	97
30) 1,1,1-Trichloroethane	4.513	97	148795	53.260	ug/L	99
31) Carbon tetrachloride	4.738	117	130101	52.036	ug/L	99
33) Benzene	5.011	78	337017	55.880	ug/L	100
34) Trichloroethene	5.834	95	87940	53.148	ug/L	97
35) Methylcyclohexane	6.053	83	123478	52.030	ug/L	99
37) 1,2-Dichloropropane	6.095	63	87311	53.381	ug/L	99
38) Bromodichloromethane	6.432	83	125376	53.259	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	132696	55.767	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	225453	129.165	ug/L	99
42) Toluene	7.317	91	360880	56.454	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	130172	54.517	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	95566	56.058	ug/L	98
46) Tetrachloroethene	7.905	164	65652	50.779	ug/L	97
48) 2-Hexanone	8.075	43	184265	126.572	ug/L	98
49) Dibromochloromethane	8.178	129	97009	53.815	ug/L	97
50) 1,2-Dibromoethane	8.281	107	98615	56.117	ug/L	95
51) Chlorobenzene	8.815	112	242853	52.716	ug/L	98
52) Ethylbenzene	8.947	91	392781	55.173	ug/L	99
53) m,p-Xylene	9.072	106	151434	56.617	ug/L	99
54) o-Xylene	9.480	106	143664	55.316	ug/L	100
55) Styrene	9.496	104	270101	58.928	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	147174	56.211	ug/L	99
59) Bromoform	9.667	173	68098	51.550	ug/L	100
60) Isopropylbenzene	9.869	105	396118	54.479	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	113877	55.489	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	296351	53.777	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	312755	54.646	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	196222	51.924	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	203137	49.945	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	197669	50.255	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	28959	52.091	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	131041	50.141	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	114605	50.165	ug/L	99
71) Naphthalene	13.442	128	311679	50.707	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	121480	54.364	ug/L	99

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

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