

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040524\
 Data File : VV035017.D
 Acq On : 05 Apr 2024 20:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050317

Quant Time: Apr 06 01:06:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 00:54:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	269217	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	261820	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	132590	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	123742	47.594	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.180%
7) Chloroethane-d5	1.532	69	113332	50.186	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.380%
11) 1,1-Dichloroethene-d2	2.060	65	54175	47.534	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.060%
21) 2-Butanone-d5	3.789	46	160322	103.971	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.970%
24) Chloroform-d	4.249	84	214016	48.958	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.920%
26) 1,2-Dichloroethane-d4	4.941	65	135567	48.846	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.700%
32) Benzene-d6	4.960	84	423210	48.121	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.240%
36) 1,2-Dichloropropane-d6	5.985	67	135242	48.426	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.860%
41) Toluene-d8	7.239	98	389924	49.231	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.460%
43) trans-1,3-Dichloroprop...	7.551	79	61203	45.079	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.160%
47) 2-Hexanone-d5	8.024	63	96523	91.414	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.410%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	194273	50.516	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.040%
66) 1,2-Dichlorobenzene-d4	11.558	152	140275	47.121	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	113632	58.236	ug/L	100
3) Chloromethane	1.217	50	120814	48.163	ug/L	99
5) Vinyl chloride	1.285	62	128241	48.766	ug/L	99
6) Bromomethane	1.487	94	86767	44.017	ug/L	99
8) Chloroethane	1.548	64	92048	51.251	ug/L	99
9) Trichlorofluoromethane	1.712	101	190923	55.316	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	130311	61.684	ug/L	98
12) 1,1-Dichloroethene	2.069	96	103108	51.031	ug/L	99
13) Acetone	2.117	43	154039	108.810	ug/L	99
14) Carbon disulfide	2.243	76	259786	45.658	ug/L	100
15) Methyl Acetate	2.375	43	146958	65.874	ug/L	99
16) Methylene chloride	2.445	84	132207	60.389	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	104631	53.563	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	391877	57.114	ug/L	99
19) 1,1-Dichloroethane	3.111	63	235140	58.699	ug/L	97
20) cis-1,2-Dichloroethene	3.815	96	123886	55.849	ug/L	95
22) 2-Butanone	3.870	43	191718	116.707	ug/L	100
23) Bromochloromethane	4.146	128	64655	58.257	ug/L	98
25) Chloroform	4.275	83	230992	58.324	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	183625	58.232	ug/L	99
29) Cyclohexane	4.580	56	188310	57.425	ug/L	100
30) 1,1,1-Trichloroethane	4.510	97	194179	56.897	ug/L	99
31) Carbon tetrachloride	4.735	117	166078	57.414	ug/L	99
33) Benzene	5.008	78	475734	55.722	ug/L	100
34) Trichloroethene	5.831	95	121561	52.759	ug/L	99
35) Methylcyclohexane	6.047	83	212219	60.987	ug/L	99
37) 1,2-Dichloropropane	6.092	63	136759	57.964	ug/L	100
38) Bromodichloromethane	6.429	83	176551	57.996	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	204344	54.979	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	376041	124.832	ug/L	98
42) Toluene	7.313	91	506423	56.658	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	190454	55.775	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	132801	59.718	ug/L	98
46) Tetrachloroethene	7.905	164	93408	58.027	ug/L	97
48) 2-Hexanone	8.072	43	299820	117.023	ug/L	97
49) Dibromochloromethane	8.175	129	127895	58.067	ug/L	100
50) 1,2-Dibromoethane	8.281	107	138559	57.873	ug/L	100
51) Chlorobenzene	8.812	112	327589	56.548	ug/L	100
52) Ethylbenzene	8.944	91	551254	55.648	ug/L	100
53) m,p-Xylene	9.072	106	205139	56.232	ug/L	96
54) o-Xylene	9.477	106	200684	55.598	ug/L	96
55) Styrene	9.493	104	352170	57.735	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	222811	61.839	ug/L	98
59) Bromoform	9.664	173	92034	60.571	ug/L	99
60) Isopropylbenzene	9.866	105	551397	57.686	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	177850	61.901	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	349313	56.270	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	440071	57.336	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	254350	56.941	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	258304	56.863	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	261250	58.710	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	47182	59.607	ug/L	94
69) 1,3,5-Trichlorobenzene	12.580	180	177949	55.275	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	153499	51.907	ug/L	98
71) Naphthalene	13.439	128	415503	50.644	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	158690	54.440	ug/L	99

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

