

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051324\
 Data File : VV035593.D
 Acq On : 13 May 2024 11:35
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050362

Quant Time: May 14 01:25:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050124WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 14 01:24:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	405693	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	420179	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	223079	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	117859	37.677	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.360%
7) Chloroethane-d5	1.526	69	109189	47.366	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.740%
11) 1,1-Dichloroethene-d2	2.056	65	53416	39.780	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.560%
21) 2-Butanone-d5	3.783	46	216654	102.623	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.620%
24) Chloroform-d	4.246	84	291308	50.770	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.540%
26) 1,2-Dichloroethane-d4	4.937	65	182452	53.996	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.000%
32) Benzene-d6	4.957	84	540275	45.681	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.360%
36) 1,2-Dichloropropane-d6	5.985	67	179494	48.675	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.340%
41) Toluene-d8	7.239	98	489280	45.449	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.900%
43) trans-1,3-Dichloroprop...	7.551	79	85337	47.481	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.960%
47) 2-Hexanone-d5	8.021	63	161100	95.067	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.070%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	269279	47.922	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.840%
66) 1,2-Dichlorobenzene-d4	11.558	152	200064	45.140	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.280%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	118402	43.564	ug/L	99
3) Chloromethane	1.217	50	139336	47.323	ug/L	100
5) Vinyl chloride	1.281	62	138205	44.572	ug/L	100
6) Bromomethane	1.481	94	75186	38.137	ug/L	100
8) Chloroethane	1.542	64	98935	55.495	ug/L	98
9) Trichlorofluoromethane	1.709	101	192649	46.182	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	127059	48.054	ug/L	99
12) 1,1-Dichloroethene	2.066	96	111689	47.290	ug/L	87
13) Acetone	2.114	43	193951	99.235	ug/L	99
14) Carbon disulfide	2.236	76	267689	43.144	ug/L	99
15) Methyl Acetate	2.371	43	175814	55.454	ug/L	100
16) Methylene chloride	2.445	84	164942	55.116	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	123714	49.557	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	513181	58.452	ug/L	99
19) 1,1-Dichloroethane	3.108	63	276407	52.729	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	159055	53.569	ug/L	98
22) 2-Butanone	3.863	43	237445	102.625	ug/L	99
23) Bromochloromethane	4.143	128	93133	57.354	ug/L	98
25) Chloroform	4.272	83	300601	55.558	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	229008	59.141	ug/L	100
29) Cyclohexane	4.580	56	160674	42.829	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	227344	47.278	ug/L	99
31) Carbon tetrachloride	4.731	117	192607	46.324	ug/L	100
33) Benzene	5.008	78	568279	50.084	ug/L	100
34) Trichloroethene	5.831	95	160573	53.180	ug/L	98
35) Methylcyclohexane	6.047	83	187563	44.033	ug/L	98
37) 1,2-Dichloropropane	6.088	63	167726	53.802	ug/L	99
38) Bromodichloromethane	6.429	83	233872	54.529	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	258993	52.923	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	455030	109.347	ug/L	99
42) Toluene	7.313	91	599142	50.333	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	254569	54.765	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	189508	56.839	ug/L	99
46) Tetrachloroethene	7.902	164	114278	46.859	ug/L	98
48) 2-Hexanone	8.072	43	358658	105.928	ug/L	98
49) Dibromochloromethane	8.172	129	189074	54.176	ug/L	99
50) 1,2-Dibromoethane	8.278	107	193297	55.492	ug/L	99
51) Chlorobenzene	8.812	112	406889	49.240	ug/L	100
52) Ethylbenzene	8.944	91	621279	48.311	ug/L	99
53) m,p-Xylene	9.069	106	237701	49.825	ug/L	100
54) o-Xylene	9.474	106	240342	49.996	ug/L	98
55) Styrene	9.493	104	445763	53.652	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	270413	47.402	ug/L	99
59) Bromoform	9.661	173	151470	52.496	ug/L	99
60) Isopropylbenzene	9.863	105	621913	48.277	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	242040	54.083	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	499257	48.425	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	509192	49.254	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	332013	49.772	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	337626	47.967	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	349451	50.072	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	65970	50.053	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	240114	47.423	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	215888	48.401	ug/L	100
71) Naphthalene	13.435	128	641124	51.285	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	245989	53.131	ug/L	99

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

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