

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050224\
 Data File : VV035521.D
 Acq On : 02 May 2024 14:26
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050349

Quant Time: May 03 05:15:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050124WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 03 05:13:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	400224	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	397759	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	208154	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	134136	43.467	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.940%
7) Chloroethane-d5	1.529	69	122881	54.034	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.060%
11) 1,1-Dichloroethene-d2	2.056	65	58029	43.806	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.620%
21) 2-Butanone-d5	3.786	46	236621	113.613	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.610%
24) Chloroform-d	4.246	84	305784	54.021	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.040%
26) 1,2-Dichloroethane-d4	4.940	65	192481	57.742	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.480%
32) Benzene-d6	4.957	84	567235	50.664	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.320%
36) 1,2-Dichloropropane-d6	5.985	67	186676	53.476	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.960%
41) Toluene-d8	7.239	98	504366	49.491	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.980%
43) trans-1,3-Dichloroprop...	7.551	79	82006	48.200	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.400%
47) 2-Hexanone-d5	8.021	63	185177	115.434	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.430%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	299550	56.314	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.620%
66) 1,2-Dichlorobenzene-d4	11.558	152	202851	49.051	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.100%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	108405	40.431	ug/L	99
3) Chloromethane	1.214	50	148254	51.040	ug/L	100
5) Vinyl chloride	1.281	62	143299	46.847	ug/L	99
6) Bromomethane	1.484	94	102638	52.773	ug/L	99
8) Chloroethane	1.545	64	102893	58.503	ug/L	98
9) Trichlorofluoromethane	1.709	101	181625	44.135	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	110999	42.554	ug/L	99
12) 1,1-Dichloroethene	2.066	96	108447	46.544	ug/L	92
13) Acetone	2.117	43	179261	92.972	ug/L	100
14) Carbon disulfide	2.236	76	274333	44.819	ug/L	100
15) Methyl Acetate	2.371	43	188583	60.295	ug/L	98
16) Methylene chloride	2.445	84	169540	57.427	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	124052	50.371	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	526117	60.745	ug/L	100
19) 1,1-Dichloroethane	3.108	63	282754	54.677	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	159328	54.395	ug/L	98
22) 2-Butanone	3.867	43	253522	111.071	ug/L	98
23) Bromochloromethane	4.146	128	95065	59.343	ug/L	97
25) Chloroform	4.275	83	300894	56.372	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	234409	61.363	ug/L	100
29) Cyclohexane	4.580	56	144737	40.756	ug/L	98
30) 1,1,1-Trichloroethane	4.510	97	227383	49.951	ug/L	98
31) Carbon tetrachloride	4.731	117	183855	46.712	ug/L	98
33) Benzene	5.008	78	569423	53.014	ug/L	100
34) Trichloroethene	5.831	95	140324	49.093	ug/L	98
35) Methylcyclohexane	6.047	83	160660	39.843	ug/L	100
37) 1,2-Dichloropropane	6.092	63	171599	58.147	ug/L	99
38) Bromodichloromethane	6.429	83	232032	57.150	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	234470	50.612	ug/L	100
40) 4-Methyl-2-pentanone	7.153	43	499159	126.713	ug/L	99
42) Toluene	7.313	91	578297	51.320	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	232346	52.801	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	187680	59.464	ug/L	100
46) Tetrachloroethene	7.905	164	101557	43.990	ug/L	99
48) 2-Hexanone	8.072	43	395656	123.442	ug/L	99
49) Dibromochloromethane	8.175	129	192325	58.213	ug/L	98
50) 1,2-Dibromoethane	8.281	107	195607	59.320	ug/L	99
51) Chlorobenzene	8.812	112	383427	49.016	ug/L	99
52) Ethylbenzene	8.944	91	576816	47.382	ug/L	100
53) m,p-Xylene	9.072	106	220434	48.810	ug/L	97
54) o-Xylene	9.477	106	223782	49.175	ug/L	99
55) Styrene	9.493	104	424483	53.971	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	312618	57.890	ug/L	100
59) Bromoform	9.664	173	157646	58.554	ug/L	100
60) Isopropylbenzene	9.866	105	571921	47.580	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	248177	59.430	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	455543	47.353	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	469125	48.632	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	302199	48.551	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	310480	47.273	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	327437	50.282	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	73137	59.469	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	214270	45.353	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	194345	46.696	ug/L	100
71) Naphthalene	13.435	128	650043	55.726	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	220761	51.101	ug/L	99

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

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