

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050324\
 Data File : VV035528.D
 Acq On : 03 May 2024 11:52
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050351

Quant Time: May 03 23:18:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050124WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 03 23:16:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	447833	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	459600	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	248828	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	143447	41.542	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.080%
7) Chloroethane-d5	1.529	69	132213	51.957	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.920%
11) 1,1-Dichloroethene-d2	2.056	65	63867	43.087	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.180%
21) 2-Butanone-d5	3.786	46	238509	102.345	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.340%
24) Chloroform-d	4.240	84	323715	51.109	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.220%
26) 1,2-Dichloroethane-d4	4.934	65	196932	52.797	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.600%
32) Benzene-d6	4.953	84	615853	47.605	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.220%
36) 1,2-Dichloropropane-d6	5.982	67	199429	49.442	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.880%
41) Toluene-d8	7.239	98	563464	47.851	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.700%
43) trans-1,3-Dichloroprop...	7.548	79	88332	44.932	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.860%
47) 2-Hexanone-d5	8.021	63	184167	99.357	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.360%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	312058	50.772	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.540%
66) 1,2-Dichlorobenzene-d4	11.558	152	232949	47.121	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.240%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.105	85	122534	40.842	ug/L 98
3) Chloromethane	1.214	50	151705	46.676	ug/L 100
5) Vinyl chloride	1.281	62	151292	44.202	ug/L 99
6) Bromomethane	1.487	94	106837	49.092	ug/L 100
8) Chloroethane	1.545	64	108226	54.994	ug/L 100
9) Trichlorofluoromethane	1.709	101	205092	44.539	ug/L 99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	126268	43.261	ug/L 99
12) 1,1-Dichloroethene	2.066	96	117708	45.148	ug/L 88
13) Acetone	2.121	43	176067	81.608	ug/L 99
14) Carbon disulfide	2.236	76	304952	44.525	ug/L 100
15) Methyl Acetate	2.371	43	179690	51.344	ug/L 99
16) Methylene chloride	2.442	84	168659	51.055	ug/L 97
17) trans-1,2-Dichloroethene	2.690	96	132600	48.118	ug/L 97
18) Methyl tert-butyl Ether	2.699	73	513309	52.965	ug/L 100
19) 1,1-Dichloroethane	3.105	63	291142	50.314	ug/L 99
20) cis-1,2-Dichloroethene	3.809	96	163148	49.777	ug/L 98
22) 2-Butanone	3.870	43	238331	93.315	ug/L 100
23) Bromochloromethane	4.140	128	93218	52.004	ug/L 97
25) Chloroform	4.269	83	308508	51.654	ug/L 100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	231465	54.151	ug/L	98
29) Cyclohexane	4.577	56	164272	40.032	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	239435	45.521	ug/L	99
31) Carbon tetrachloride	4.728	117	204029	44.862	ug/L	99
33) Benzene	5.002	78	600516	48.386	ug/L	100
34) Trichloroethene	5.828	95	152469	46.165	ug/L	99
35) Methylcyclohexane	6.043	83	186012	39.924	ug/L	100
37) 1,2-Dichloropropane	6.088	63	173226	50.800	ug/L	99
38) Bromodichloromethane	6.426	83	239108	50.968	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	235620	44.017	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	475969	104.568	ug/L	99
42) Toluene	7.310	91	628813	48.295	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	236373	46.489	ug/L	100
45) 1,1,2-Trichloroethane	7.764	97	187344	51.371	ug/L	98
46) Tetrachloroethene	7.899	164	114781	43.028	ug/L	98
48) 2-Hexanone	8.069	43	382007	103.147	ug/L	99
49) Dibromochloromethane	8.172	129	196703	51.527	ug/L	100
50) 1,2-Dibromoethane	8.278	107	195927	51.422	ug/L	100
51) Chlorobenzene	8.809	112	430538	47.633	ug/L	100
52) Ethylbenzene	8.944	91	660477	46.954	ug/L	100
53) m,p-Xylene	9.069	106	254347	48.742	ug/L	96
54) o-Xylene	9.474	106	253184	48.150	ug/L	100
55) Styrene	9.490	104	475721	52.347	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	312239	50.040	ug/L	100
59) Bromoform	9.661	173	162830	50.593	ug/L	100
60) Isopropylbenzene	9.863	105	659080	45.868	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	248091	49.698	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	531444	46.212	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	550654	47.752	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	354647	47.664	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	366722	46.709	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	373968	48.040	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	72508	49.320	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	259068	45.872	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	235114	47.257	ug/L	100
71) Naphthalene	13.435	128	644442	46.216	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	255049	49.388	ug/L	100

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

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