

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122723\
 Data File : VX039501.D
 Acq On : 27 Dec 2023 17:56
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050718

Quant Time: Dec 28 04:10:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 28 04:06:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	200767	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	186405	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	88947	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	73877	46.915	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.820%		
7) Chloroethane-d5	1.666	69	56720	48.731	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.460%		
11) 1,1-Dichloroethene-d2	2.306	65	35267	51.020	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	102.040%		
21) 2-Butanone-d5	4.446	46	140911	98.856	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.860%		
24) Chloroform-d	5.056	84	141438	50.738	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.480%		
26) 1,2-Dichloroethane-d4	5.952	65	92867	51.440	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.880%		
32) Benzene-d6	5.970	84	281643	48.957	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.920%		
36) 1,2-Dichloropropane-d6	7.305	67	88491	47.797	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.600%		
41) Toluene-d8	8.647	98	257887	49.466	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.940%		
43) trans-1,3-Dichloroprop...	8.951	79	40890	43.401	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.800%		
47) 2-Hexanone-d5	9.384	63	105340	95.264	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.260%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	129580	49.338	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.680%		
66) 1,2-Dichlorobenzene-d4	12.317	152	86300	51.331	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.660%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	62305	38.914	ug/L	98
3) Chloromethane	1.294	50	63508	37.950	ug/L	99
5) Vinyl chloride	1.373	62	61436	37.249	ug/L	96
6) Bromomethane	1.605	94	33335	37.444	ug/L	97
8) Chloroethane	1.684	64	38351	41.129	ug/L	94
9) Trichlorofluoromethane	1.886	101	90824	42.489	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	61166	44.484	ug/L	97
12) 1,1-Dichloroethene	2.318	96	53082	41.042	ug/L	98
13) Acetone	2.373	43	113158	82.636	ug/L	96
14) Carbon disulfide	2.514	76	140043	34.027	ug/L	100
15) Methyl Acetate	2.703	43	89953	45.958	ug/L	96
16) Methylene chloride	2.788	84	61618	41.466	ug/L	94
17) trans-1,2-Dichloroethene	3.093	96	54938	40.314	ug/L	97
18) Methyl tert-butyl Ether	3.111	73	202884	42.772	ug/L	98
19) 1,1-Dichloroethane	3.611	63	116779	43.339	ug/L	96
20) cis-1,2-Dichloroethene	4.489	96	65191	41.244	ug/L	95
22) 2-Butanone	4.550	43	143102	85.152	ug/L	98
23) Bromochloromethane	4.897	128	30410	40.927	ug/L	92
25) Chloroform	5.092	83	115653	43.032	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	96724	45.598	ug/L	95
29) Cyclohexane	5.464	56	102660	39.370	ug/L	97
30) 1,1,1-Trichloroethane	5.379	97	96584	42.704	ug/L	98
31) Carbon tetrachloride	5.678	117	78503	41.603	ug/L	99
33) Benzene	6.037	78	246546	41.620	ug/L	100
34) Trichloroethene	7.122	95	64004	40.884	ug/L	94
35) Methylcyclohexane	7.379	83	104190	39.961	ug/L	97
37) 1,2-Dichloropropane	7.427	63	69820	42.498	ug/L	99
38) Bromodichloromethane	7.817	83	85227	42.651	ug/L	97
39) cis-1,3-Dichloropropene	8.366	75	104898	40.033	ug/L	99
40) 4-Methyl-2-pentanone	8.573	43	246907	89.672	ug/L	97
42) Toluene	8.720	91	260385	41.451	ug/L	97
44) trans-1,3-Dichloropropene	8.976	75	98423	40.477	ug/L	100
45) 1,1,2-Trichloroethane	9.153	97	65446	43.469	ug/L	98
46) Tetrachloroethene	9.275	164	42216	40.878	ug/L	98
48) 2-Hexanone	9.427	43	206057	89.414	ug/L	96
49) Dibromochloromethane	9.518	129	60321	41.125	ug/L	100
50) 1,2-Dibromoethane	9.610	107	67287	41.716	ug/L #	99
51) Chlorobenzene	10.079	112	159954	41.223	ug/L	97
52) Ethylbenzene	10.195	91	296210	42.179	ug/L	99
53) m,p-Xylene	10.299	106	108008	41.135	ug/L	99
54) o-Xylene	10.640	106	105298	41.793	ug/L	100
55) Styrene	10.652	104	183612	42.592	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.213	83	113929	43.359	ug/L	99
59) Bromoform	10.799	173	41435	39.637	ug/L	100
60) Isopropylbenzene	10.963	105	290017	44.622	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	89580	45.974	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	244327	44.527	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	239635	44.538	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	120886	43.455	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	120844	42.868	ug/L	100
67) 1,2-Dichlorobenzene	12.335	146	117659	44.215	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.938	75	26539	43.642	ug/L	95
69) 1,3,5-Trichlorobenzene	13.109	180	81087	44.075	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	72731	41.936	ug/L	98
71) Naphthalene	13.774	128	259679	43.658	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	72983	43.460	ug/L	99

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

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