

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122023\
 Data File : VX039413.D
 Acq On : 20 Dec 2023 19:39
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050714

Quant Time: Dec 21 00:28:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 20 00:14:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	203907	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	191231	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	96821	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	68515	42.840	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.680%
7) Chloroethane-d5	1.666	69	53593	45.335	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.680%
11) 1,1-Dichloroethene-d2	2.306	65	34171	48.673	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.340%
21) 2-Butanone-d5	4.446	46	158129	109.227	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.230%
24) Chloroform-d	5.056	84	156557	55.297	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.600%
26) 1,2-Dichloroethane-d4	5.952	65	103365	56.374	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.740%
32) Benzene-d6	5.970	84	295253	50.028	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.060%
36) 1,2-Dichloropropane-d6	7.312	67	97733	51.457	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.920%
41) Toluene-d8	8.647	98	260926	48.786	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.580%
43) trans-1,3-Dichloroprop...	8.952	79	45851	47.439	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.880%
47) 2-Hexanone-d5	9.384	63	117423	103.512	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.510%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	143439	53.237	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.480%
66) 1,2-Dichlorobenzene-d4	12.317	152	92676	50.640	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	88625	54.501	ug/L	99
3) Chloromethane	1.294	50	89586	52.709	ug/L	97
5) Vinyl chloride	1.374	62	83897	50.084	ug/L	96
6) Bromomethane	1.605	94	50362	55.699	ug/L	99
8) Chloroethane	1.691	64	48759	51.486	ug/L	93
9) Trichlorofluoromethane	1.892	101	119436	55.014	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	79867	57.191	ug/L	98
12) 1,1-Dichloroethene	2.319	96	73341	55.832	ug/L	97
13) Acetone	2.373	43	136648	98.253	ug/L	95
14) Carbon disulfide	2.514	76	192827	46.130	ug/L	99
15) Methyl Acetate	2.703	43	111700	56.190	ug/L	99
16) Methylene chloride	2.788	84	85172	56.434	ug/L	95
17) trans-1,2-Dichloroethene	3.093	96	74777	54.028	ug/L	94
18) Methyl tert-butyl Ether	3.111	73	275334	57.151	ug/L	98
19) 1,1-Dichloroethane	3.611	63	154068	56.298	ug/L	96
20) cis-1,2-Dichloroethene	4.489	96	87809	54.698	ug/L	99
22) 2-Butanone	4.550	43	174244	102.086	ug/L	97
23) Bromochloromethane	4.897	128	40732	53.975	ug/L	97
25) Chloroform	5.092	83	156918	57.487	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	131430	61.006	ug/L #	94
29) Cyclohexane	5.477	56	140684	52.590	ug/L	97
30) 1,1,1-Trichloroethane	5.385	97	128409	55.343	ug/L	98
31) Carbon tetrachloride	5.678	117	102215	52.802	ug/L	100
33) Benzene	6.037	78	325581	53.574	ug/L	100
34) Trichloroethene	7.123	95	88908	55.358	ug/L	97
35) Methylcyclohexane	7.379	83	137950	51.574	ug/L	97
37) 1,2-Dichloropropane	7.427	63	92513	54.890	ug/L	100
38) Bromodichloromethane	7.824	83	108494	52.925	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	139121	51.754	ug/L	99
40) 4-Methyl-2-pentanone	8.574	43	314470	111.327	ug/L	98
42) Toluene	8.714	91	345963	53.684	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	132067	52.942	ug/L	99
45) 1,1,2-Trichloroethane	9.153	97	84497	54.706	ug/L	97
46) Tetrachloroethene	9.275	164	55880	52.744	ug/L	97
48) 2-Hexanone	9.427	43	254852	107.797	ug/L	98
49) Dibromochloromethane	9.518	129	77319	51.384	ug/L	99
50) 1,2-Dibromoethane	9.610	107	91408	55.240	ug/L	98
51) Chlorobenzene	10.079	112	214410	53.863	ug/L	96
52) Ethylbenzene	10.195	91	393155	54.571	ug/L	100
53) m,p-Xylene	10.299	106	143079	53.117	ug/L	96
54) o-Xylene	10.640	106	138813	53.705	ug/L	96
55) Styrene	10.652	104	242397	54.809	ug/L	93
57) 1,1,2,2-Tetrachloroethane	11.213	83	146888	54.492	ug/L	99
59) Bromoform	10.799	173	50482	44.364	ug/L	99
60) Isopropylbenzene	10.963	105	384009	54.278	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	117284	55.298	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	324979	54.409	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	318045	54.304	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	159933	52.815	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	163144	53.167	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	153257	52.908	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.939	75	35235	53.230	ug/L	93
69) 1,3,5-Trichlorobenzene	13.109	180	104450	52.157	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	99722	52.822	ug/L	99
71) Naphthalene	13.774	128	347984	53.746	ug/L	100
72) 1,2,3-Trichlorobenzene	13.957	180	96644	52.869	ug/L	99

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

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