

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121021\
 Data File : VX025707.D
 Acq On : 10 Dec 2021 17:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050726

Quant Time: Dec 10 23:35:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML112221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 10 23:31:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	120816	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	115671	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	58303	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	38661	46.889	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.780%
7) Chloroethane-d5	1.660	69	31894	46.868	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.740%
11) 1,1-Dichloroethene-d2	2.307	63	69145	52.596	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.200%
21) 2-Butanone-d5	4.453	46	54265	88.413	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.410%
24) Chloroform-d	5.062	84	70285	48.775	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.540%
26) 1,2-Dichloroethane-d4	5.958	65	44840	49.922	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.840%
32) Benzene-d6	5.977	84	142707	46.550	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.100%
36) 1,2-Dichloropropane-d6	7.312	67	42255	44.518	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.040%
41) Toluene-d8	8.653	98	135001	46.655	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.300%
43) trans-1,3-Dichloroprop...	8.952	79	20362	42.670	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.340%
47) 2-Hexanone-d5	9.385	63	40351	81.670	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.670%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	59949	44.690	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.380%
66) 1,2-Dichlorobenzene-d4	12.323	152	52613	46.010	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	38169	53.837	ug/L	100
3) Chloromethane	1.295	50	36226	49.505	ug/L	97
5) Vinyl chloride	1.374	62	39776	46.560	ug/L	99
6) Bromomethane	1.599	94	24328	54.436	ug/L	99
8) Chloroethane	1.685	64	26842	47.166	ug/L	99
9) Trichlorofluoromethane	1.886	101	66418	49.822	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	37032	52.896	ug/L	97
12) 1,1-Dichloroethene	2.319	96	32820	50.588	ug/L	93
13) Acetone	2.380	43	41593	82.415	ug/L	97
14) Carbon disulfide	2.514	76	74659	46.802	ug/L	99
15) Methyl Acetate	2.709	43	40152	49.228	ug/L #	90
16) Methylene chloride	2.788	84	37225	49.609	ug/L	96
17) trans-1,2-Dichloroethene	3.093	96	34191	48.952	ug/L	100
18) Methyl tert-butyl Ether	3.117	73	115233	48.541	ug/L	99
19) 1,1-Dichloroethane	3.611	63	63363	50.656	ug/L	99
20) cis-1,2-Dichloroethene	4.495	96	40168	48.802	ug/L	99
22) 2-Butanone	4.556	43	62382	93.465	ug/L	97
23) Bromochloromethane	4.904	128	21525	49.501	ug/L	96
25) Chloroform	5.099	83	70083	51.484	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	53145	53.678	ug/L	99
29) Cyclohexane	5.471	56	53513	45.157	ug/L	99
30) 1,1,1-Trichloroethane	5.385	97	61353	48.048	ug/L	99
31) Carbon tetrachloride	5.684	117	55864	48.992	ug/L	98
33) Benzene	6.038	78	146104	47.281	ug/L	100
34) Trichloroethene	7.129	95	39190	48.218	ug/L	96
35) Methylcyclohexane	7.385	83	57357	44.837	ug/L	99
37) 1,2-Dichloropropane	7.434	63	37195	47.989	ug/L	100
38) Bromodichloromethane	7.824	83	52913	49.022	ug/L	97
39) cis-1,3-Dichloropropene	8.366	75	57532	45.573	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	117479	94.921	ug/L	98
42) Toluene	8.720	91	161357	47.348	ug/L	99
44) trans-1,3-Dichloropropene	8.982	75	55022	45.348	ug/L	98
45) 1,1,2-Trichloroethane	9.153	97	39076	47.508	ug/L	98
46) Tetrachloroethene	9.275	164	31106	45.128	ug/L	98
48) 2-Hexanone	9.433	43	92945	93.502	ug/L	98
49) Dibromochloromethane	9.525	129	46530	49.081	ug/L	96
50) 1,2-Dibromoethane	9.610	107	42293	48.244	ug/L	99
51) Chlorobenzene	10.080	112	107888	47.994	ug/L	99
52) Ethylbenzene	10.195	91	176367	48.154	ug/L	98
53) m,p-Xylene	10.305	106	70488	47.513	ug/L	98
54) o-Xylene	10.647	106	69537	46.824	ug/L	93
55) Styrene	10.659	104	121509	49.241	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.214	83	61443	48.377	ug/L	99
59) Bromoform	10.799	173	33725	46.880	ug/L	99
60) Isopropylbenzene	10.964	105	183097	48.865	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	49460	49.591	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	154260	49.223	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	153495	48.475	ug/L #	80
64) 1,3-Dichlorobenzene	11.969	146	85859	49.903	ug/L	97
65) 1,4-Dichlorobenzene	12.043	146	85820	49.381	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	84960	48.835	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	13655	49.262	ug/L	91
69) 1,3,5-Trichlorobenzene	13.116	180	57691	46.092	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	49640	47.182	ug/L	96
71) Naphthalene	13.780	128	176929	49.614	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	50284	46.654	ug/L	98

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

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