

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102821\
 Data File : VV023090.D
 Acq On : 28 Oct 2021 21:40
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050364

Manual Integrations
 APPROVED

SAM
 11/1/2021 6:35:54 PM

Quant Time: Oct 29 02:17:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 29 01:52:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	282512	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	277287	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	155985	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	89663	46.052	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.100%
7) Chloroethane-d5	1.565	69	68080	44.831	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.660%
11) 1,1-Dichloroethene-d2	2.111	63	170899	46.338	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.680%
21) 2-Butanone-d5	3.880	46	156481	107.274	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.270%
24) Chloroform-d	4.352	84	199880	48.827	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.660%
26) 1,2-Dichloroethane-d4	5.034	65	122284	50.469	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.940%
32) Benzene-d6	5.053	84	375971	49.497	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.069	67	119553	49.442	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.880%
41) Toluene-d8	7.317	98	350641	50.597	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.200%
43) trans-1,3-Dichloroprop...	7.622	79	56784	48.995	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.000%
47) 2-Hexanone-d5	8.088	63	114797	109.305	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.310%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	179302	50.734	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.460%
66) 1,2-Dichlorobenzene-d4	11.625	152	145446	48.339	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.680%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	129921	48.376	ug/L	99
3) Chloromethane	1.240	50	119453	47.157	ug/L	99
5) Vinyl chloride	1.311	62	119570	47.239	ug/L	99
6) Bromomethane	1.520	94	68395	48.098	ug/L	98
8) Chloroethane	1.584	64	69441	45.062	ug/L	97
9) Trichlorofluoromethane	1.751	101	185301	48.238	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	94260	46.221	ug/L	99
12) 1,1-Dichloroethene	2.118	96	89294	47.187	ug/L	91
13) Acetone	2.169	43	108735m	75.205	ug/L	
14) Carbon disulfide	2.294	76	275220	48.633	ug/L	99
15) Methyl Acetate	2.429	43	122663	51.112	ug/L	100
16) Methylene chloride	2.507	84	118316	48.807	ug/L	97
17) trans-1,2-Dichloroethene	2.761	96	107372	49.718	ug/L	100
18) Methyl tert-butyl Ether	2.770	73	335380	51.712	ug/L	99
19) 1,1-Dichloroethane	3.191	63	197574	49.102	ug/L	100
20) cis-1,2-Dichloroethene	3.915	96	117495	50.897	ug/L	100
22) 2-Butanone	3.963	43	169674	102.961	ug/L	98
23) Bromochloromethane	4.249	128	64130	49.294	ug/L	97
25) Chloroform	4.378	83	206570	49.921	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	154274	49.668	ug/L	99
29) Cyclohexane	4.680	56	164757	50.903	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	183936	49.780	ug/L	99
31) Carbon tetrachloride	4.831	117	162012	48.783	ug/L	99
33) Benzene	5.101	78	446654	51.707	ug/L	100
34) Trichloroethene	5.915	95	111837	49.547	ug/L	99
35) Methylcyclohexane	6.133	83	175301	49.836	ug/L	98
37) 1,2-Dichloropropane	6.175	63	113027	49.789	ug/L	99
38) Bromodichloromethane	6.510	83	151787	49.401	ug/L	97
39) cis-1,3-Dichloropropene	7.027	75	168165	48.844	ug/L	98
40) 4-Methyl-2-pentanone	7.227	43	324274	110.753	ug/L	100
42) Toluene	7.387	91	482075	52.144	ug/L	98
44) trans-1,3-Dichloropropene	7.651	75	170317	51.024	ug/L	97
45) 1,1,2-Trichloroethane	7.841	97	113933	49.152	ug/L	98
46) Tetrachloroethene	7.976	164	93800	48.200	ug/L	98
48) 2-Hexanone	8.140	43	255753	110.016	ug/L	98
49) Dibromochloromethane	8.246	129	131676	49.714	ug/L	99
50) 1,2-Dibromoethane	8.352	107	124676	51.066	ug/L	97
51) Chlorobenzene	8.883	112	308417	49.387	ug/L	100
52) Ethylbenzene	9.014	91	505593	51.400	ug/L	99
53) m,p-Xylene	9.140	106	197831	52.174	ug/L	94
54) o-Xylene	9.545	106	192607	52.189	ug/L	95
55) Styrene	9.561	104	346369	53.998	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.243	83	187064	50.605	ug/L	100
59) Bromoform	9.731	173	99307	50.331	ug/L	100
60) Isopropylbenzene	9.934	105	512493	51.428	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	147445	50.436	ug/L	99
62) 1,3,5-Trimethylbenzene	10.542	105	428853	52.252	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	437395	53.087	ug/L	99
64) 1,3-Dichlorobenzene	11.182	146	251398	49.903	ug/L	99
65) 1,4-Dichlorobenzene	11.275	146	252977	48.212	ug/L	99
67) 1,2-Dichlorobenzene	11.645	146	253780	49.820	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	41660	51.059	ug/L	99
69) 1,3,5-Trichlorobenzene	12.648	180	186668	48.988	ug/L	98
70) 1,2,4-trichlorobenzene	13.262	180	165068	49.985	ug/L	99
71) Naphthalene	13.503	128	583482	55.031	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	177312	50.795	ug/L	100

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

