

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090721\
 Data File : VV022095.D
 Acq On : 07 Sep 2021 11:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050329

Manual Integrations
 APPROVED

MMDadoda
 9/8/2021 12:30:19 PM

Quant Time: Sep 08 01:10:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 03 00:59:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	359978	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	333360	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	176166	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	92000	36.905	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.800%
7) Chloroethane-d5	1.564	69	79680	40.929	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.860%
11) 1,1-Dichloroethene-d2	2.105	63	183875	44.599	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.200%
21) 2-Butanone-d5	3.899	46	187453	109.643	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.640%
24) Chloroform-d	4.349	84	212697	46.792	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.580%
26) 1,2-Dichloroethane-d4	5.034	65	126048	47.078	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.160%
32) Benzene-d6	5.050	84	409312	45.269	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.540%
36) 1,2-Dichloropropane-d6	6.069	67	130651	45.947	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.900%
41) Toluene-d8	7.317	98	378410	44.335	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.660%
43) trans-1,3-Dichloroprop...	7.622	79	61670	45.566	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.140%
47) 2-Hexanone-d5	8.091	63	122190	111.992	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.990%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	188470	51.752	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.500%
66) 1,2-Dichlorobenzene-d4	11.625	152	155649	44.943	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.880%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	100136	40.468	ug/L	99
3) Chloromethane	1.240	50	101645	38.794	ug/L	97
5) Vinyl chloride	1.307	62	109195	41.348	ug/L	100
6) Bromomethane	1.519	94	71967	45.326	ug/L	100
8) Chloroethane	1.584	64	70803	42.857	ug/L	98
9) Trichlorofluoromethane	1.751	101	169971	45.196	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	106678	48.362	ug/L	99
12) 1,1-Dichloroethene	2.114	96	96396	46.424	ug/L	89
13) Acetone	2.198	43	180264m	125.840	ug/L	
14) Carbon disulfide	2.291	76	259394	41.401	ug/L	100
15) Methyl Acetate	2.439	43	135717	48.650	ug/L	97
16) Methylene chloride	2.503	84	127964	45.998	ug/L	97
17) trans-1,2-Dichloroethene	2.757	96	112300	44.730	ug/L	99
18) Methyl tert-butyl Ether	2.770	73	377323	47.295	ug/L	99
19) 1,1-Dichloroethane	3.188	63	211253	47.244	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	126667	45.331	ug/L	98
22) 2-Butanone	3.982	43	206474	102.541	ug/L	98
23) Bromochloromethane	4.249	128	68144	45.792	ug/L	98
25) Chloroform	4.375	83	220097	46.498	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	158231	49.869	ug/L	99
29) Cyclohexane	4.677	56	171847	46.115	ug/L	98
30) 1,1,1-Trichloroethane	4.606	97	193230	48.771	ug/L	99
31) Carbon tetrachloride	4.828	117	163626	48.069	ug/L	99
33) Benzene	5.098	78	466529	48.101	ug/L	100
34) Trichloroethene	5.915	95	123975	45.126	ug/L	98
35) Methylcyclohexane	6.130	83	185532	46.195	ug/L	99
37) 1,2-Dichloropropane	6.175	63	123384	49.076	ug/L	99
38) Bromodichloromethane	6.510	83	160642	49.964	ug/L	98
39) cis-1,3-Dichloropropene	7.027	75	190457	49.067	ug/L	99
40) 4-Methyl-2-pentanone	7.230	43	354032	103.870	ug/L	99
42) Toluene	7.387	91	502706	48.024	ug/L	100
44) trans-1,3-Dichloropropene	7.651	75	181678	50.290	ug/L	100
45) 1,1,2-Trichloroethane	7.841	97	124101	48.513	ug/L	98
46) Tetrachloroethene	7.976	164	100082	46.851	ug/L	97
48) 2-Hexanone	8.140	43	287044	108.542	ug/L	96
49) Dibromochloromethane	8.249	129	134277	49.038	ug/L	100
50) 1,2-Dibromoethane	8.352	107	133139	48.495	ug/L	99
51) Chlorobenzene	8.882	112	331410	47.089	ug/L	99
52) Ethylbenzene	9.014	91	538482	47.520	ug/L	98
53) m,p-Xylene	9.140	106	206527	46.891	ug/L	98
54) o-Xylene	9.545	106	209167	47.997	ug/L	97
55) Styrene	9.561	104	359627	48.355	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.242	83	191181	51.582	ug/L	98
59) Bromoform	9.731	173	94924	50.733	ug/L	99
60) Isopropylbenzene	9.934	105	550728	49.752	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	154659	50.655	ug/L	100
62) 1,3,5-Trimethylbenzene	10.541	105	455524	49.017	ug/L	99
63) 1,2,4-Trimethylbenzene	10.914	105	467863	49.531	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	263332	46.854	ug/L	99
65) 1,4-Dichlorobenzene	11.275	146	263878	45.883	ug/L	99
67) 1,2-Dichlorobenzene	11.644	146	267431	47.922	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	39302	53.411	ug/L	99
69) 1,3,5-Trichlorobenzene	12.648	180	196356	46.723	ug/L	100
70) 1,2,4-trichlorobenzene	13.265	180	166718	45.097	ug/L	99
71) Naphthalene	13.503	128	517112	48.626	ug/L	100
72) 1,2,3-Trichlorobenzene	13.747	180	171882	47.667	ug/L	99

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

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