

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
 Data File : VV015193.D
 Acq On : 27 Mar 2020 03:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

Quant Time: Mar 27 04:28:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 27 03:08:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	668385	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	655640	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	305557	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	155648	43.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.80%
7) Chloroethane-d5	1.58	69	164491	45.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.12	63	368910	45.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.22%
21) 2-Butanone-d5	3.94	46	364387	102.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.05%
24) Chloroform-d	4.38	84	377373	48.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.04%
26) 1,2-Dichloroethane-d4	5.06	65	247258	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
32) Benzene-d6	5.08	84	628801	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.26%
36) 1,2-Dichloropropane-d6	6.10	67	227051	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.34%
41) Toluene-d8	7.34	98	565152	46.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.48%
43) trans-1,3-Dichloropropene-	7.64	79	120994	45.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.34%
47) 2-Hexanone-d5	8.11	63	283626	99.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.71%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	401303	48.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.14%
64) 1,2-Dichlorobenzene-d4	11.65	152	273144	47.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	265920	45.090 ug/L	98
3) Chloromethane	1.25	50	292387	45.653 ug/L	100
5) Vinyl chloride	1.32	62	295692	45.071 ug/L	100
6) Bromomethane	1.53	94	188190	44.449 ug/L	97
8) Chloroethane	1.60	64	192269	44.821 ug/L	99
9) Trichlorofluoromethane	1.76	101	478410	44.192 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	247082	45.128 ug/L	99
12) 1,1-Dichloroethene	2.13	96	246305	45.691 ug/L	95
13) Acetone	2.22	43	200282	81.103 ug/L #	89
14) Carbon disulfide	2.31	76	613720	44.396 ug/L	99
15) Methyl Acetate	2.46	43	235905	46.144 ug/L	99
16) Methylene chloride	2.52	84	235413	46.783 ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	211725	45.193 ug/L	100
18) Methyl tert-butyl Ether	2.79	73	731750	46.344 ug/L	100
19) 1,1-Dichloroethane	3.21	63	395112	45.659 ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	240521	46.089 ug/L	98
22) 2-Butanone	4.02	43	337726	86.929 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	117546	46.558	ug/L	98
25) Chloroform	4.41	83	416420	46.710	ug/L	98
27) 1,2-Dichloroethane	5.16	62	327745	46.371	ug/L	100
29) Cyclohexane	4.70	56	361073	44.997	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	382401	46.057	ug/L	99
31) Carbon tetrachloride	4.86	117	320480	45.921	ug/L	99
33) Benzene	5.13	78	901570	46.189	ug/L	100
34) Trichloroethene	5.94	95	231803	45.588	ug/L	99
35) Methylcyclohexane	6.15	83	371554	43.971	ug/L	99
37) 1,2-Dichloropropane	6.20	63	230419	46.170	ug/L	100
38) Bromodichloromethane	6.53	83	326770	46.201	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	364462	43.691	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	705824	93.785	ug/L	100
42) Toluene	7.41	91	1013163	46.526	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	366771	45.033	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	229888	47.056	ug/L	99
46) Tetrachloroethene	8.00	164	160526	46.977	ug/L	99
48) 2-Hexanone	8.16	43	550878	92.693	ug/L	98
49) Dibromochloromethane	8.27	129	255130	47.398	ug/L	98
50) 1,2-Dibromoethane	8.37	107	248815	46.790	ug/L	96
51) Chlorobenzene	8.90	112	649116	46.667	ug/L	99
52) Ethylbenzene	9.04	91	1136875	46.338	ug/L	99
53) m,p-Xylene	9.16	106	436672	46.652	ug/L	99
54) o-xylene	9.57	106	437356	46.520	ug/L	99
55) Styrene	9.58	104	747966	47.023	ug/L	99
56) Isopropylbenzene	9.95	105	1130505	46.837	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	383809	46.608	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	311744	47.022	ug/L	100
61) Bromoform	9.75	173	161865	45.980	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	475308	46.394	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	477679	46.156	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	478580	46.074	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	104239	45.169	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	304964	46.520	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	290081	46.391	ug/L	99
69) Naphthalene	13.53	128	1191059	47.565	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	293114	46.815	ug/L	98

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

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