

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090320\
 Data File : VV018151.D
 Acq On : 03 Sep 2020 12:43
 Operator : SY/MD
 Sample : K4649-08MSD
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

Quant Time: Sep 04 02:19:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 04 02:12:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	265766	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	260556	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	144871	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	72244	49.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.46%
7) Chloroethane-d5	1.58	69	69027	66.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	133.88%#
11) 1,1-Dichloroethene-d2	2.13	63	160528	63.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	127.48%#
21) 2-Butanone-d5	3.92	46	140748	132.97	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	132.97%#
24) Chloroform-d	4.38	84	172509	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
26) 1,2-Dichloroethane-d4	5.06	65	109955	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.92%
32) Benzene-d6	5.08	84	321066	42.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.64%
36) 1,2-Dichloropropane-d6	6.09	67	108296	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.72%
41) Toluene-d8	7.34	98	295341	40.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.70%
43) trans-1,3-Dichloropropene-	7.64	79	53422	43.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.52%
47) 2-Hexanone-d5	8.11	63	82104	91.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.02%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	154709	50.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.08%
66) 1,2-Dichlorobenzene-d4	11.65	152	133777	39.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.52%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	83750	44.616	ug/L 98
3) Chloromethane	1.25	50	98147	73.635	ug/L 98
5) Vinyl chloride	1.32	62	103106	80.141	ug/L 99
6) Bromomethane	1.53	94	64868	86.847	ug/L 99
8) Chloroethane	1.60	64	69719	103.472	ug/L 100
9) Trichlorofluoromethane	1.77	101	152367	72.840	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	89250	87.037	ug/L 91
12) 1,1-Dichloroethene	2.13	96	84352	87.359	ug/L 94
13) Acetone	2.20	43	130661	181.042	ug/L 95
14) Carbon disulfide	2.31	76	204132	62.560	ug/L 99
15) Methyl Acetate	2.45	43	110804	87.746	ug/L 91
16) Methylene chloride	2.52	84	102651	70.067	ug/L 89
17) trans-1,2-Dichloroethene	2.78	96	87720	64.337	ug/L 91
18) Methyl tert-butyl Ether	2.78	73	317294	67.726	ug/L 97
19) 1,1-Dichloroethane	3.21	63	183147	73.659	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	103179	64.248	ug/L 84
22) 2-Butanone	4.00	43	166789	179.320	ug/L 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	53995	61.144	ug/L #	79
25) Chloroform	4.40	83	189945	67.395	ug/L	98
27) 1,2-Dichloroethane	5.15	62	147743	67.447	ug/L	100
29) Cyclohexane	4.70	56	139984	64.250	ug/L	91
30) 1,1,1-Trichloroethane	4.64	97	160942	58.148	ug/L	97
31) Carbon tetrachloride	4.86	117	135254	52.675	ug/L	97
33) Benzene	5.13	78	391084	65.204	ug/L	100
34) Trichloroethene	5.94	95	103330	61.982	ug/L	93
35) Methylcyclohexane	6.15	83	141583	57.060	ug/L	93
37) 1,2-Dichloropropane	6.20	63	111242	76.040	ug/L	98
38) Bromodichloromethane	6.53	83	145041	63.022	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	169848	65.852	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	300650	159.676	ug/L	96
42) Toluene	7.41	91	424856	63.749	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	167653	68.858	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	104005	65.951	ug/L	96
46) Tetrachloroethene	8.00	164	79978	51.490	ug/L	98
48) 2-Hexanone	8.16	43	242902	171.114	ug/L	97
49) Dibromochloromethane	8.27	129	115461	56.421	ug/L	99
50) 1,2-Dibromoethane	8.37	107	108359	62.131	ug/L	97
51) Chlorobenzene	8.90	112	280654	62.460	ug/L	97
52) Ethylbenzene	9.03	91	470241	62.884	ug/L	97
53) m,p-Xylene	9.16	106	174607	60.528	ug/L	99
54) o-Xylene	9.57	106	173345	60.556	ug/L	97
55) Styrene	9.58	104	310780	64.448	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.26	83	164997	68.037	ug/L	99
59) Bromoform	9.75	173	86606	50.965	ug/L	99
60) Isopropylbenzene	9.95	105	469122	59.153	ug/L	98
61) 1,2,3-Trichloropropane	10.30	75	138532	70.420	ug/L	96
62) 1,3,5-Trimethylbenzene	10.56	105	394690	57.568	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	407392	60.205	ug/L	99
64) 1,3-Dichlorobenzene	11.20	146	234929	58.710	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	241325	59.665	ug/L	98
67) 1,2-Dichlorobenzene	11.67	146	238711	58.468	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.45	75	36105	55.689	ug/L	86
69) 1,3,5-Trichlorobenzene	12.67	180	187093	57.678	ug/L	99
70) 1,2,4-trichlorobenzene	13.28	180	175580	62.427	ug/L	99
71) Naphthalene	13.52	128	491813	68.994	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	179281	63.342	ug/L	98

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

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