

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090320\
 Data File : VV018150.D
 Acq On : 03 Sep 2020 12:20
 Operator : SY/MD
 Sample : K4649-07MS
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MS

Quant Time: Sep 04 02:18:57 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	242168	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	240938	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	134672	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65403	49.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.82%
7) Chloroethane-d5	1.58	69	63977	68.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	136.18%#
11) 1,1-Dichloroethene-d2	2.12	63	148355	64.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	129.28%#
21) 2-Butanone-d5	3.92	46	138652	143.75	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	143.75%#
24) Chloroform-d	4.38	84	162910	49.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.10%
26) 1,2-Dichloroethane-d4	5.06	65	106853	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.16%
32) Benzene-d6	5.08	84	301952	43.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.10%
36) 1,2-Dichloropropane-d6	6.09	67	103104	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.66%
41) Toluene-d8	7.34	98	273193	40.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.74%
43) trans-1,3-Dichloropropene-	7.64	79	51653	45.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.46%
47) 2-Hexanone-d5	8.11	63	80068	95.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.99%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	151096	53.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.76%
66) 1,2-Dichlorobenzene-d4	11.65	152	127636	40.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	78166	45.699	ug/L 97
3) Chloromethane	1.25	50	92190	75.906	ug/L 97
5) Vinyl chloride	1.32	62	95907	81.810	ug/L 98
6) Bromomethane	1.53	94	60998	89.624	ug/L 98
8) Chloroethane	1.60	64	64762	105.482	ug/L 99
9) Trichlorofluoromethane	1.77	101	144280	75.695	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	84290	90.210	ug/L 90
12) 1,1-Dichloroethene	2.13	96	77783	88.405	ug/L 92
13) Acetone	2.20	43	142918	217.322	ug/L 95
14) Carbon disulfide	2.31	76	187492	63.059	ug/L 100
15) Methyl Acetate	2.45	43	112170	97.483	ug/L 92
16) Methylene chloride	2.52	84	100972	75.637	ug/L 88
17) trans-1,2-Dichloroethene	2.78	96	82427	66.346	ug/L 90
18) Methyl tert-butyl Ether	2.78	73	314284	73.620	ug/L 97
19) 1,1-Dichloroethane	3.21	63	176638	77.964	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	99524	68.011	ug/L 81
22) 2-Butanone	4.00	43	172035	202.984	ug/L 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.28	128	54054	67.175	ug/L #	78
25) Chloroform	4.40	83	184422	71.812	ug/L	100
27) 1,2-Dichloroethane	5.16	62	146554	73.423	ug/L	99
29) Cyclohexane	4.71	56	130755	64.900	ug/L	91
30) 1,1,1-Trichloroethane	4.63	97	150888	58.954	ug/L	97
31) Carbon tetrachloride	4.86	117	127444	53.675	ug/L	97
33) Benzene	5.13	78	379246	68.379	ug/L	100
34) Trichloroethene	5.94	95	99225	64.366	ug/L	93
35) Methylcyclohexane	6.16	83	131460	57.294	ug/L	91
37) 1,2-Dichloropropane	6.20	63	107319	79.331	ug/L	97
38) Bromodichloromethane	6.53	83	141372	66.429	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	165016	69.187	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	302584	173.788	ug/L	96
42) Toluene	7.41	91	405493	65.798	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	164432	73.034	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	105170	72.120	ug/L	96
46) Tetrachloroethene	8.00	164	75102	52.288	ug/L	97
48) 2-Hexanone	8.16	43	247055	188.211	ug/L	97
49) Dibromochloromethane	8.27	129	114738	60.633	ug/L	99
50) 1,2-Dibromoethane	8.37	107	107810	66.849	ug/L #	98
51) Chlorobenzene	8.90	112	265972	64.013	ug/L	96
52) Ethylbenzene	9.03	91	442870	64.046	ug/L	97
53) m,p-Xylene	9.16	106	169913	63.697	ug/L	95
54) o-Xylene	9.57	106	165516	62.529	ug/L	98
55) Styrene	9.58	104	299803	67.234	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.26	83	164425	73.322	ug/L	99
59) Bromoform	9.75	173	87062	55.113	ug/L	99
60) Isopropylbenzene	9.95	105	442796	60.062	ug/L	98
61) 1,2,3-Trichloropropane	10.30	75	139944	76.526	ug/L	96
62) 1,3,5-Trimethylbenzene	10.56	105	374321	58.732	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	385080	61.217	ug/L	98
64) 1,3-Dichlorobenzene	11.20	146	224120	60.251	ug/L	97
65) 1,4-Dichlorobenzene	11.30	146	230944	61.422	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	230962	60.854	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.45	75	36695	60.886	ug/L	83
69) 1,3,5-Trichlorobenzene	12.67	180	176751	58.616	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	167257	63.972	ug/L	99
71) Naphthalene	13.52	128	470778	71.044	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	171454	65.165	ug/L	100

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

