

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092518\
 Data File : VV007854.D
 Acq On : 25 Sep 2018 14:15
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

Quant Time: Sep 26 04:48:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 26 04:43:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	212674	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	210116	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	117762	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67571	50.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.38%
7) Chloroethane-d5	1.59	69	57527	49.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.94%
11) 1,1-Dichloroethene-d2	2.14	63	141560	49.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.66%
21) 2-Butanone-d5	3.95	46	97181	108.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.16%
24) Chloroform-d	4.41	84	141079	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.90%
26) 1,2-Dichloroethane-d4	5.09	65	98266	49.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.52%
32) Benzene-d6	5.10	84	281697	50.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.12%
36) 1,2-Dichloropropane-d6	6.12	67	87835	49.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.68%
41) Toluene-d8	7.36	98	288970	50.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.90%
43) trans-1,3-Dichloropropene-	7.67	79	44428	52.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.92%
47) 2-Hexanone-d5	8.14	63	81284	109.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.23%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	130159	50.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.08%
64) 1,2-Dichlorobenzene-d4	11.68	152	132254	50.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	80296	52.274	ug/L	99
3) Chloromethane	1.26	50	72487	49.966	ug/L	100
5) Vinyl chloride	1.33	62	76894	49.383	ug/L	99
6) Bromomethane	1.54	94	44733	51.877	ug/L	99
8) Chloroethane	1.60	64	46460	47.836	ug/L	98
9) Trichlorofluoromethane	1.78	101	125847	48.235	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	71534	49.059	ug/L	99
12) 1,1-Dichloroethene	2.15	96	64594	49.364	ug/L	98
13) Acetone	2.19	43	97409	89.990	ug/L	100
14) Carbon disulfide	2.32	76	175795	51.494	ug/L	99
15) Methyl Acetate	2.46	43	76316	48.060	ug/L	99
16) Methylene chloride	2.54	84	69399	47.928	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	69285	49.630	ug/L	99
18) Methyl tert-butyl Ether	2.81	73	209440	48.151	ug/L	100
19) 1,1-Dichloroethane	3.23	63	114649	47.856	ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	76002	50.245	ug/L	97
22) 2-Butanone	4.03	43	115632	93.223	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	39618	50.341	uq/L	97
25) Chloroform	4.43	83	136609	48.044	uq/L	100
27) 1,2-Dichloroethane	5.19	62	108824	48.290	uq/L	100
29) Cyclohexane	4.73	56	113281	50.414	uq/L	99
30) 1,1,1-Trichloroethane	4.66	97	116887	49.116	uq/L	100
31) Carbon tetrachloride	4.88	117	104882	49.883	uq/L	98
33) Benzene	5.15	78	282294	49.962	uq/L	100
34) Trichloroethene	5.96	95	77309	49.326	uq/L	98
35) Methylcyclohexane	6.18	83	121247	49.310	uq/L	96
37) 1,2-Dichloropropane	6.23	63	73777	48.962	uq/L	100
38) Bromodichloromethane	6.56	83	96768	50.742	uq/L	97
39) cis-1,3-Dichloropropene	7.07	75	111444	50.945	uq/L	98
40) 4-Methyl-2-pentanone	7.28	43	220458	103.532	uq/L	97
42) Toluene	7.43	91	318872	50.090	uq/L	98
44) trans-1,3-Dichloropropene	7.70	75	112237	51.622	uq/L	98
45) 1,1,2-Trichloroethane	7.89	97	73612	48.886	uq/L	99
46) Tetrachloroethene	8.02	164	74549	49.500	uq/L	98
48) 2-Hexanone	8.19	43	176120	104.649	uq/L	98
49) Dibromochloromethane	8.30	129	82916	50.360	uq/L	98
50) 1,2-Dibromoethane	8.40	107	80220	49.546	uq/L	97
51) Chlorobenzene	8.93	112	217531	49.368	uq/L	99
52) Ethylbenzene	9.06	91	365549	50.835	uq/L	100
53) m,p-Xylene	9.19	106	140192	51.171	uq/L	96
54) o-xylene	9.59	106	135829	51.038	uq/L	97
55) Styrene	9.61	104	238852	52.398	uq/L	97
56) Isopropylbenzene	9.98	105	371553	51.222	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	122248	49.678	uq/L	99
59) 1,2,3-Trichloropropane	10.32	75	98453	49.081	uq/L	99
61) Bromoform	9.78	173	63256	50.937	uq/L	100
62) 1,3-Dichlorobenzene	11.23	146	189149	51.335	uq/L	99
63) 1,4-Dichlorobenzene	11.32	146	196754	50.250	uq/L	99
65) 1,2-Dichlorobenzene	11.69	146	191026	49.959	uq/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	24916	49.804	uq/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	158878	51.146	uq/L	100
68) 1,2,4-trichlorobenzene	13.31	180	139074	53.063	uq/L	99
69) Naphthalene	13.56	128	363554	56.705	uq/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	144044	54.280	uq/L	99

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

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