

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022420\
 Data File : VV014703.D
 Acq On : 24 Feb 2020 16:39
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Quant Time: Feb 25 06:40:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 25 06:37:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	220727	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	209797	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	107563	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27382	31.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.52%
7) Chloroethane-d5	1.59	69	23820	38.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.26%
11) 1,1-Dichloroethene-d2	2.13	63	63241	39.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.72%
21) 2-Butanone-d5	3.95	46	69854	87.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.17%
24) Chloroform-d	4.40	84	125880	44.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.08	65	85431	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
32) Benzene-d6	5.10	84	231423	41.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.36%
36) 1,2-Dichloropropane-d6	6.11	67	69292	42.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.60%
41) Toluene-d8	7.36	98	219749	41.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.18%
43) trans-1,3-Dichloropropene-	7.66	79	38916	42.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.80%
47) 2-Hexanone-d5	8.13	63	59884	92.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.28%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	105678	47.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	93147	44.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	70317	45.088	ug/L 99
3) Chloromethane	1.25	50	31489	38.179	ug/L 97
5) Vinyl chloride	1.33	62	33634	40.605	ug/L 99
6) Bromomethane	1.54	94	22491	45.712	ug/L 98
8) Chloroethane	1.60	64	19198	42.490	ug/L 99
9) Trichlorofluoromethane	1.77	101	84016	46.753	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	33827	45.247	ug/L 95
12) 1,1-Dichloroethene	2.14	96	30504	45.335	ug/L 97
13) Acetone	2.22	43	56549	79.477	ug/L 85
14) Carbon disulfide	2.32	76	126772	41.620	ug/L 98
15) Methyl Acetate	2.47	43	49108	42.249	ug/L 98
16) Methylene chloride	2.54	84	63092	44.949	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	58293	44.679	ug/L 99
18) Methyl tert-butyl Ether	2.81	73	201264	45.885	ug/L 99
19) 1,1-Dichloroethane	3.23	63	105500	44.862	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	68624	45.283	ug/L 99
22) 2-Butanone	4.04	43	72015	79.925	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	34543	44.900	ug/L	94
25) Chloroform	4.42	83	125523	45.885	ug/L	100
27) 1,2-Dichloroethane	5.18	62	94961	47.368	ug/L	98
29) Cyclohexane	4.73	56	81940	41.791	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	113761	46.628	ug/L	99
31) Carbon tetrachloride	4.87	117	100333	46.479	ug/L	98
33) Benzene	5.14	78	239137	44.198	ug/L	100
34) Trichloroethene	5.96	95	68740	43.645	ug/L	99
35) Methylcyclohexane	6.17	83	100549	44.724	ug/L	98
37) 1,2-Dichloropropane	6.22	63	57780	43.661	ug/L	98
38) Bromodichloromethane	6.55	83	94070	46.120	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	106307	44.981	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	148183	90.391	ug/L	99
42) Toluene	7.43	91	265119	45.322	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	98596	45.983	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	64766	45.724	ug/L	99
46) Tetrachloroethene	8.01	164	52342	45.937	ug/L	98
48) 2-Hexanone	8.18	43	116544	90.640	ug/L	99
49) Dibromochloromethane	8.29	129	80013	47.533	ug/L	100
50) 1,2-Dibromoethane	8.39	107	70766	45.345	ug/L	98
51) Chlorobenzene	8.92	112	180412	45.260	ug/L	98
52) Ethylbenzene	9.05	91	307068	45.804	ug/L	100
53) m,p-Xylene	9.18	106	117926	45.497	ug/L	98
54) o-xylene	9.58	106	116451	46.163	ug/L	95
55) Styrene	9.60	104	196726	46.773	ug/L	97
56) Isopropylbenzene	9.97	105	313136	46.956	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	101941	46.743	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	83546	46.660	ug/L	99
61) Bromoform	9.77	173	55819	47.806	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	145941	45.257	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	148835	45.099	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	147919	46.068	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	25415	46.552	ug/L	97
67) 1,3,5-Trichlorobenzene	12.68	180	107882	45.516	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	100554	45.228	ug/L	99
69) Naphthalene	13.54	128	332547	44.535	ug/L	99
70) 1,2,3-Trichlorobenzene	13.78	180	100428	43.965	ug/L	99

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

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