

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010693.D
 Acq On : 07 May 2019 14:03
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

Quant Time: May 08 02:57:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 02:50:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	97733	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	100666	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	50500	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36089	23.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.08%
7) Chloroethane-d5	1.57	69	29175	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.40%
10) 1,1-Dichloroethene-d2	2.13	63	75132	22.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.24%
20) 2-Butanone-d5	3.94	46	22539	49.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.94%
24) Chloroform-d	4.40	84	64838	24.33	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.32%
26) 1,2-Dichloroethane-d4	5.08	65	41628	25.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.08%
29) Benzene-d6	5.10	84	126756	23.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.68%
33) 1,2-Dichloropropane-d6	6.12	67	40171	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.16%
37) Toluene-d8	7.36	98	123499	24.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.36%
38) trans-1,3-Dichloropropene-	7.66	79	19092	24.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.24%
39) 2-Hexanone-d5	8.13	63	17381	49.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.40%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	38389	24.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	47844	24.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	30856	22.796	ug/L 97
3) Chloromethane	1.25	50	40482	24.585	ug/L 96
5) Vinyl chloride	1.32	62	45333	23.711	ug/L 100
6) Bromomethane	1.52	94	26805	28.909	ug/L 99
8) Chloroethane	1.59	64	27929	23.456	ug/L 98
9) Trichlorofluoromethane	1.76	101	66670	23.164	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	38442	23.395	ug/L 98
12) 1,1-Dichloroethene	2.14	96	35999	23.397	ug/L 96
13) Acetone	2.19	43	35033	49.668	ug/L 99
14) Carbon disulfide	2.31	76	88212	23.330	ug/L 99
15) Methyl Acetate	2.46	43	18971	22.515	ug/L 97
16) Methylene chloride	2.53	84	36861	24.393	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	100868	26.181	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	33832	24.326	ug/L 99
19) 1,1-Dichloroethane	3.23	63	65817	24.513	ug/L 99
21) 2-Butanone	4.02	43	33817	50.587	ug/L 92
22) cis-1,2-Dichloroethene	3.96	96	39529	24.880	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	19370	27.122	ug/L	97
25) Chloroform	4.42	83	72385	24.472	ug/L	98
27) 1,2-Dichloroethane	5.18	62	55201	25.532	ug/L	99
30) Cyclohexane	4.72	56	57679	22.846	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	59189	23.582	ug/L	97
32) Carbon tetrachloride	4.87	117	50821	23.245	ug/L	96
34) Benzene	5.15	78	149807	25.350	ug/L	100
35) Trichloroethene	5.96	95	40755	24.621	ug/L	99
36) Methylcyclohexane	6.18	83	62202	23.446	ug/L	98
40) 1,2-Dichloropropane	6.22	63	40584	25.816	ug/L	98
41) Bromodichloromethane	6.56	83	56712	26.255	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	66080	26.576	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	63390	47.904	ug/L	97
44) Toluene	7.43	91	173308	25.822	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	55323	26.423	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	32892	25.469	ug/L	97
47) Tetrachloroethene	8.02	164	28016	23.370	ug/L	89
49) 2-Hexanone	8.18	43	51485	51.174	ug/L	97
50) Dibromochloromethane	8.29	129	38403	25.859	ug/L	97
51) 1,2-Dibromoethane	8.40	107	32533	26.082	ug/L	99
52) Chlorobenzene	8.93	112	113879	25.971	ug/L	100
53) Ethylbenzene	9.06	91	197337	25.358	ug/L	100
54) m,p-Xylene	9.18	106	74140	25.500	ug/L	98
55) o-xylene	9.59	106	76863	26.653	ug/L	98
56) Styrene	9.60	104	129830	26.617	ug/L	97
57) Isopropylbenzene	9.97	105	192432	25.009	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	43993	26.001	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	33285	25.206	ug/L	96
62) Bromoform	9.77	173	20773	24.157	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	85394	24.292	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	89173	24.834	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	85190	24.952	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	7276	22.966	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	61562	24.312	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	49965	25.502	ug/L	98
69) Naphthalene	13.55	128	111680	26.630	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	48673	26.484	ug/L	98

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

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