

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
 Data File : VV011062.D
 Acq On : 28 May 2019 13:08
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV89

Quant Time: May 29 02:12:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 28 13:06:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	509533	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	494579	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	233478	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	150015	21.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.88%
7) Chloroethane-d5	1.56	69	108688	21.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.20%
10) 1,1-Dichloroethene-d2	2.12	63	282387	21.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.92%
20) 2-Butanone-d5	3.93	46	119709	49.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.44%
24) Chloroform-d	4.40	84	304168	24.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.48%
26) 1,2-Dichloroethane-d4	5.08	65	182785	23.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.56%
29) Benzene-d6	5.09	84	642461	22.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.76%
33) 1,2-Dichloropropane-d6	6.11	67	207510	22.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.08%
37) Toluene-d8	7.36	98	604622	22.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.60%
38) trans-1,3-Dichloropropene-	7.66	79	94661	22.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.20%
39) 2-Hexanone-d5	8.13	63	89287	44.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.96%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	180761	22.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	214649	23.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	195278	23.503	ug/L 99
3) Chloromethane	1.25	50	205769	25.107	ug/L 99
5) Vinyl chloride	1.32	62	181207	23.957	ug/L 99
6) Bromomethane	1.51	94	80298	24.633	ug/L 97
8) Chloroethane	1.58	64	98820	24.084	ug/L 100
9) Trichlorofluoromethane	1.76	101	234341	23.130	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	119006	21.889	ug/L 99
12) 1,1-Dichloroethene	2.13	96	115021	22.484	ug/L 92
13) Acetone	2.19	43	119086	43.659	ug/L 98
14) Carbon disulfide	2.31	76	399498	23.345	ug/L 100
15) Methyl Acetate	2.46	43	87858	22.316	ug/L # 100
16) Methylene chloride	2.53	84	173592	23.303	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	452333	23.605	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	163630	23.384	ug/L 99
19) 1,1-Dichloroethane	3.22	63	320069	23.527	ug/L 99
21) 2-Butanone	4.02	43	165188	49.177	ug/L 97
22) cis-1,2-Dichloroethene	3.95	96	183292	23.255	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	79284	23.747	ug/L	98
25) Chloroform	4.42	83	319730	22.256	ug/L	99
27) 1,2-Dichloroethane	5.17	62	230574	24.634	ug/L	97
30) Cyclohexane	4.72	56	309336	21.593	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	254720	22.620	ug/L	99
32) Carbon tetrachloride	4.87	117	214804	22.272	ug/L	100
34) Benzene	5.14	78	686248	22.946	ug/L	100
35) Trichloroethene	5.96	95	178779	22.888	ug/L	96
36) Methylcyclohexane	6.17	83	293611	21.785	ug/L	99
40) 1,2-Dichloropropane	6.22	63	188813	23.690	ug/L	100
41) Bromodichloromethane	6.55	83	240460	23.798	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	297117	23.332	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	313776	44.890	ug/L	99
44) Toluene	7.43	91	751989	23.126	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	249485	22.959	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	135367	22.916	ug/L	98
47) Tetrachloroethene	8.02	164	128238	22.764	ug/L	97
49) 2-Hexanone	8.18	43	241714	46.890	ug/L	97
50) Dibromochloromethane	8.29	129	160854	23.502	ug/L	100
51) 1,2-Dibromoethane	8.39	107	131608	23.282	ug/L	98
52) Chlorobenzene	8.92	112	475187	23.580	ug/L	98
53) Ethylbenzene	9.05	91	860467	23.212	ug/L	100
54) m,p-Xylene	9.18	106	322384	23.347	ug/L	100
55) o-xylene	9.59	106	317831	23.688	ug/L	97
56) Styrene	9.60	104	545102	23.960	ug/L	98
57) Isopropylbenzene	9.97	105	829554	23.166	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	182114	23.402	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	138926	23.360	ug/L	99
62) Bromoform	9.78	173	88645	22.570	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	367142	23.902	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	360811	23.605	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	343862	23.957	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	34140	23.301	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	271111	23.999	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	226278	25.178	ug/L	98
69) Naphthalene	13.55	128	489576	26.408	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	210488	25.594	ug/L	99

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

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