

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030519\
 Data File : VV009488.D
 Acq On : 05 Mar 2019 13:28
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

Quant Time: Mar 06 04:05:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 06 03:58:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	182983	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	172074	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	84637	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59896	27.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.76%
7) Chloroethane-d5	1.58	69	96673	30.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	121.40%
10) 1,1-Dichloroethene-d2	2.13	63	150672	26.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.16%
20) 2-Butanone-d5	3.94	46	29215	38.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.84%
24) Chloroform-d	4.40	84	113788	26.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.08	65	63308	25.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.12%
29) Benzene-d6	5.10	84	231659	27.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.72%
33) 1,2-Dichloropropane-d6	6.12	67	67359	26.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.12%
37) Toluene-d8	7.36	98	227963	27.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.76%
38) trans-1,3-Dichloropropene-	7.66	79	31753	26.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.20%
39) 2-Hexanone-d5	8.14	63	22943	39.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.18%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	60117	22.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.72%
61) 1,2-Dichlorobenzene-d4	11.67	152	78687	25.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	58022	27.539	ug/L 97
3) Chloromethane	1.25	50	60557	26.969	ug/L 100
5) Vinyl chloride	1.32	62	69078	27.904	ug/L 98
6) Bromomethane	1.53	94	78312	25.411	ug/L 97
8) Chloroethane	1.60	64	79220	28.798	ug/L 97
9) Trichlorofluoromethane	1.76	101	140354	27.639	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	76910	27.048	ug/L 97
12) 1,1-Dichloroethene	2.14	96	65637	26.980	ug/L 88
13) Acetone	2.20	43	32754	42.920	ug/L 96
14) Carbon disulfide	2.31	76	175822	28.513	ug/L 100
15) Methyl Acetate	2.46	43	23651	19.138	ug/L 96
16) Methylene chloride	2.53	84	60860	25.343	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	138984	25.512	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	60444	27.660	ug/L 97
19) 1,1-Dichloroethane	3.23	63	106949	27.776	ug/L 97
21) 2-Butanone	4.03	43	37005	38.421	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	69111	28.015	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	29229	25.695	ug/L	95
25) Chloroform	4.42	83	120354	28.009	ug/L	99
27) 1,2-Dichloroethane	5.18	62	76992	25.799	ug/L	98
30) Cyclohexane	4.72	56	101644	27.833	ug/L	95
31) 1,1,1-Trichloroethane	4.66	97	107699	27.998	ug/L	99
32) Carbon tetrachloride	4.87	117	91207	28.046	ug/L	100
34) Benzene	5.14	78	246325	27.704	ug/L	100
35) Trichloroethene	5.96	95	70283	27.505	ug/L	98
36) Methylcyclohexane	6.17	83	118917	28.568	ug/L	97
40) 1,2-Dichloropropane	6.22	63	59973	26.160	ug/L	99
41) Bromodichloromethane	6.55	83	85506	27.632	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	94523	26.558	ug/L	98
43) 4-Methyl-2-pentanone	7.28	43	74162	41.037	ug/L	100
44) Toluene	7.43	91	283769	28.235	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	84964	27.334	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	49496	25.987	ug/L	95
47) Tetrachloroethene	8.02	164	55417	28.593	ug/L	94
49) 2-Hexanone	8.19	43	58198	42.587	ug/L	97
50) Dibromochloromethane	8.29	129	60922	26.420	ug/L	100
51) 1,2-Dibromoethane	8.40	107	48870	24.834	ug/L	98
52) Chlorobenzene	8.92	112	183270	27.511	ug/L	98
53) Ethylbenzene	9.05	91	319359	27.768	ug/L	97
54) m,p-Xylene	9.18	106	123458	28.362	ug/L	97
55) o-xylene	9.59	106	117163	27.913	ug/L	87
56) Styrene	9.60	104	196700	28.485	ug/L	99
57) Isopropylbenzene	9.97	105	325515	28.117	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	63327	23.547	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	44286	22.843	ug/L	99
62) Bromoform	9.77	173	33092	24.094	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	144611	27.353	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	140308	25.972	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	132427	26.860	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10623	21.512	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	104388	27.527	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	81911	26.979	ug/L	99
69) Naphthalene	13.55	128	155161	24.263	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	74337	26.614	ug/L	99

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

