

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080319\
 Data File : VV012104.D
 Acq On : 03 Aug 2019 11:54
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

Quant Time: Aug 05 08:25:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM080319S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 05 08:21:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	228775	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	215872	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	121486	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48321	25.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.24%
7) Chloroethane-d5	1.58	69	36037	24.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.44%
10) 1,1-Dichloroethene-d2	2.13	63	96880	24.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.48%
20) 2-Butanone-d5	3.95	46	52289	48.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.78%
24) Chloroform-d	4.40	84	134216	24.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.24%
26) 1,2-Dichloroethane-d4	5.08	65	78942	23.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.44%
29) Benzene-d6	5.10	84	258206	24.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.00%
33) 1,2-Dichloropropane-d6	6.12	67	71466	24.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.40%
37) Toluene-d8	7.36	98	256577	24.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.96%
38) trans-1,3-Dichloropropene-	7.66	79	41602	24.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.24%
39) 2-Hexanone-d5	8.14	63	41452	51.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.32%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	77909	24.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.64%
61) 1,2-Dichlorobenzene-d4	11.67	152	111263	25.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	92179	24.252	ug/L 100
3) Chloromethane	1.25	50	53848	23.808	ug/L 95
5) Vinyl chloride	1.32	62	56499	25.552	ug/L 99
6) Bromomethane	1.54	94	36599	25.997	ug/L 97
8) Chloroethane	1.60	64	30638	24.209	ug/L 99
9) Trichlorofluoromethane	1.77	101	104761	24.808	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	51402	25.140	ug/L 98
12) 1,1-Dichloroethene	2.14	96	47097	25.698	ug/L 97
13) Acetone	2.22	43	69590	52.259	ug/L 98
14) Carbon disulfide	2.32	76	193041	25.057	ug/L 100
15) Methyl Acetate	2.47	43	39249	25.189	ug/L 100
16) Methylene chloride	2.53	84	69771	24.261	ug/L 96
17) Methyl tert-butyl Ether	2.80	73	191054	25.466	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	71476	25.192	ug/L 96
19) 1,1-Dichloroethane	3.23	63	117836	25.521	ug/L 99
21) 2-Butanone	4.04	43	74962	56.299	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	79095	25.560	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	39629	25.940	ug/L	96
25) Chloroform	4.42	83	133680	24.849	ug/L	98
27) 1,2-Dichloroethane	5.18	62	102194	25.845	ug/L	99
30) Cyclohexane	4.72	56	105427	25.567	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	127692	24.677	ug/L	99
32) Carbon tetrachloride	4.87	117	121565	24.455	ug/L	99
34) Benzene	5.15	78	273329	25.213	ug/L	100
35) Trichloroethene	5.96	95	79020	25.330	ug/L	97
36) Methylcyclohexane	6.18	83	129442	25.597	ug/L	99
40) 1,2-Dichloropropane	6.22	63	65205	25.976	ug/L	99
41) Bromodichloromethane	6.55	83	101416	25.315	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	118740	25.634	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	116636	52.689	ug/L	99
44) Toluene	7.43	91	312657	25.399	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	104556	25.841	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	61245	25.849	ug/L	99
47) Tetrachloroethene	8.02	164	76395	25.381	ug/L	95
49) 2-Hexanone	8.18	43	99716	55.815	ug/L	99
50) Dibromochloromethane	8.29	129	85668	25.836	ug/L	94
51) 1,2-Dibromoethane	8.40	107	67400	26.159	ug/L	99
52) Chlorobenzene	8.92	112	212691	25.495	ug/L	99
53) Ethylbenzene	9.05	91	359614	25.493	ug/L	100
54) m,p-Xylene	9.18	106	139585	25.472	ug/L	98
55) o-xylene	9.59	106	134416	25.765	ug/L	98
56) Styrene	9.60	104	234934	26.212	ug/L	99
57) Isopropylbenzene	9.97	105	372810	26.056	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	79087	25.519	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	63106	25.957	ug/L	97
62) Bromoform	9.77	173	60962	26.085	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	190984	25.741	ug/L	98
64) 1,4-Dichlorobenzene	11.31	146	193044	25.553	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	180203	26.109	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	19143	25.334	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	162805	25.818	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	144930	27.207	ug/L	99
69) Naphthalene	13.55	128	297858	29.722	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	136472	27.480	ug/L	99

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

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