

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021319\
 Data File : VV009295.D
 Acq On : 13 Feb 2019 15:27
 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: Feb 14 02:55:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021319S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 13 15:25:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	322914	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	312134	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	158278	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111135	21.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.64%
7) Chloroethane-d5	1.57	69	88433	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.68%
10) 1,1-Dichloroethene-d2	2.13	63	225670	22.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.72%
20) 2-Butanone-d5	3.93	46	74774	37.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.50%
24) Chloroform-d	4.40	84	219880	23.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.24%
26) 1,2-Dichloroethane-d4	5.08	65	127714	22.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.72%
29) Benzene-d6	5.10	84	419340	23.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.60%
33) 1,2-Dichloropropane-d6	6.12	67	133218	23.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.28%
37) Toluene-d8	7.36	98	398439	24.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.16%
38) trans-1,3-Dichloropropene-	7.66	79	61427	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.16%
39) 2-Hexanone-d5	8.13	63	50469	37.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.30%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	114370	20.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	145917	22.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	115605	22.176	ug/L 98
3) Chloromethane	1.25	50	126879	21.444	ug/L 99
5) Vinyl chloride	1.32	62	130825	23.910	ug/L 98
6) Bromomethane	1.52	94	65245	26.501	ug/L 99
8) Chloroethane	1.59	64	75419	21.846	ug/L 97
9) Trichlorofluoromethane	1.76	101	188933	23.851	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	106320	24.171	ug/L 99
12) 1,1-Dichloroethene	2.14	96	92748	23.187	ug/L # 81
13) Acetone	2.19	43	110986	38.173	ug/L 99
14) Carbon disulfide	2.32	76	365475	23.813	ug/L 99
15) Methyl Acetate	2.46	43	68598	17.557	ug/L 99
16) Methylene chloride	2.53	84	124056	18.727	ug/L 100
17) Methyl tert-butyl Ether	2.80	73	278650	23.890	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	113067	24.209	ug/L 99
19) 1,1-Dichloroethane	3.23	63	220455	24.569	ug/L 98
21) 2-Butanone	4.02	43	114323	40.392	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	122448	24.743	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	53170	23.867	ug/L	96
25) Chloroform	4.42	83	218549	24.252	ug/L	99
27) 1,2-Dichloroethane	5.18	62	156952	23.358	ug/L	98
30) Cyclohexane	4.72	56	209886	25.025	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	191738	25.017	ug/L	98
32) Carbon tetrachloride	4.87	117	168587	24.974	ug/L	99
34) Benzene	5.15	78	464771	24.866	ug/L	100
35) Trichloroethene	5.96	95	125815	25.285	ug/L	99
36) Methylcyclohexane	6.18	83	205148	25.314	ug/L	98
40) 1,2-Dichloropropane	6.22	63	122483	24.181	ug/L	100
41) Bromodichloromethane	6.55	83	159245	24.996	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	188712	25.549	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	184409	39.981	ug/L	100
44) Toluene	7.43	91	506997	25.555	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	165042	26.066	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	89822	23.174	ug/L	97
47) Tetrachloroethene	8.02	164	92172	23.559	ug/L	97
49) 2-Hexanone	8.18	43	161557	42.507	ug/L	99
50) Dibromochloromethane	8.29	129	106600	23.769	ug/L	99
51) 1,2-Dibromoethane	8.40	107	88067	23.117	ug/L	98
52) Chlorobenzene	8.93	112	319173	25.035	ug/L	98
53) Ethylbenzene	9.05	91	573857	25.972	ug/L	99
54) m,p-Xylene	9.18	106	217409	26.746	ug/L	97
55) o-xylene	9.59	106	206018	26.968	ug/L	97
56) Styrene	9.60	104	355524	27.164	ug/L	99
57) Isopropylbenzene	9.98	105	564073	26.516	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	119054	21.276	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	90268	20.764	ug/L	97
62) Bromoform	9.77	173	62512	22.062	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	253700	24.588	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	258554	24.473	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	241064	24.211	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	21929	18.934	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	193728	25.042	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	159574	25.975	ug/L	97
69) Naphthalene	13.55	128	308400	23.643	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	147263	25.065	ug/L	97

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

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