

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031319\
 Data File : VV009637.D
 Acq On : 13 Mar 2019 15:28
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02561

Quant Time: Mar 14 07:38:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM031319S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 14 07:32:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	147506	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	143961	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66920	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54738	29.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.08%
7) Chloroethane-d5	1.57	69	51682	22.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.84%
10) 1,1-Dichloroethene-d2	2.13	63	135760	26.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.52%
20) 2-Butanone-d5	3.93	46	31338	63.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.86%
24) Chloroform-d	4.40	84	102575	27.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.12%
26) 1,2-Dichloroethane-d4	5.08	65	59547	27.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.96%
29) Benzene-d6	5.10	84	215987	28.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.40%
33) 1,2-Dichloropropane-d6	6.12	67	61003	27.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.60%
37) Toluene-d8	7.36	98	212345	29.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	116.24%
38) trans-1,3-Dichloropropene-	7.66	79	27540	27.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.64%
39) 2-Hexanone-d5	8.13	63	23796	58.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.14%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	61699	29.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	71437	27.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	56789	24.883	ug/L	99
3) Chloromethane	1.25	50	49711	24.448	ug/L	99
5) Vinyl chloride	1.32	62	53783	24.619	ug/L	100
6) Bromomethane	1.51	94	55989	23.156	ug/L	99
8) Chloroethane	1.59	64	35968	19.172	ug/L	94
9) Trichlorofluoromethane	1.76	101	112895	24.360	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	60056	23.831	ug/L	98
12) 1,1-Dichloroethene	2.14	96	54780	24.777	ug/L	94
13) Acetone	2.19	43	37268	62.576	ug/L	97
14) Carbon disulfide	2.32	76	139212	25.143	ug/L	98
15) Methyl Acetate	2.46	43	23138	26.628	ug/L	99
16) Methylene chloride	2.53	84	47923	22.317	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	108343	23.591	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	47793	24.800	ug/L	98
19) 1,1-Dichloroethane	3.23	63	84597	25.151	ug/L	98
21) 2-Butanone	4.01	43	39688	53.978	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	53281	24.673	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	23285	23.323	ug/L	95
25) Chloroform	4.42	83	94740	24.720	ug/L	99
27) 1,2-Dichloroethane	5.18	62	63437	23.972	ug/L	98
30) Cyclohexane	4.72	56	80644	24.796	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	83194	24.678	ug/L	99
32) Carbon tetrachloride	4.87	117	71426	25.005	ug/L	100
34) Benzene	5.14	78	193489	23.708	ug/L	100
35) Trichloroethene	5.96	95	54771	24.169	ug/L	99
36) Methylcyclohexane	6.17	83	87576	23.272	ug/L	97
40) 1,2-Dichloropropane	6.22	63	48034	24.225	ug/L	99
41) Bromodichloromethane	6.55	83	64632	23.691	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	72240	23.996	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	68293	50.368	ug/L	99
44) Toluene	7.43	91	227069	24.980	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	63364	24.373	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	39129	23.618	ug/L	96
47) Tetrachloroethene	8.02	164	43276	24.175	ug/L	99
49) 2-Hexanone	8.18	43	53223	52.267	ug/L	98
50) Dibromochloromethane	8.29	129	46444	24.719	ug/L	99
51) 1,2-Dibromoethane	8.40	107	40346	24.587	ug/L	94
52) Chlorobenzene	8.93	112	142130	24.030	ug/L	99
53) Ethylbenzene	9.05	91	252397	25.104	ug/L	98
54) m,p-Xylene	9.18	106	94287	24.844	ug/L	95
55) o-xylene	9.59	106	93395	25.075	ug/L	99
56) Styrene	9.60	104	151314	24.908	ug/L	97
57) Isopropylbenzene	9.97	105	248843	25.191	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	53686	24.992	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	38260	24.810	ug/L	99
62) Bromoform	9.77	173	25248	24.690	ug/L	95
63) 1,3-Dichlorobenzene	11.23	146	107378	24.590	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	105006	23.625	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	98856	24.332	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	7972	26.504	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	73650	24.220	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	54006	25.054	ug/L	97
69) Naphthalene	13.55	128	87953	24.702	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	47105	23.763	ug/L	99

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

