

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031319\
 Data File : VV009636.D
 Acq On : 13 Mar 2019 14:51
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV83

Quant Time: Mar 14 07:36:46 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	155471	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	149329	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	68862	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48048	24.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.68%
7) Chloroethane-d5	1.57	69	47497	19.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.48%
10) 1,1-Dichloroethene-d2	2.13	63	127986	23.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.28%
20) 2-Butanone-d5	3.93	46	30293	58.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.36%
24) Chloroform-d	4.40	84	93949	23.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.08	65	55868	24.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.64%
29) Benzene-d6	5.10	84	199041	25.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.64%
33) 1,2-Dichloropropane-d6	6.12	67	57446	25.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.40%
37) Toluene-d8	7.36	98	194196	25.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.48%
38) trans-1,3-Dichloropropene-	7.66	79	26354	25.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.24%
39) 2-Hexanone-d5	8.13	63	23059	54.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.42%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57267	26.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	65363	24.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	55326	23.000	ug/L 99
3) Chloromethane	1.25	50	48033	22.413	ug/L 99
5) Vinyl chloride	1.32	62	53925	23.419	ug/L 97
6) Bromomethane	1.51	94	54933	21.556	ug/L 98
8) Chloroethane	1.59	64	37314	18.871	ug/L 97
9) Trichlorofluoromethane	1.76	101	111702	22.868	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	60306	22.704	ug/L 97
12) 1,1-Dichloroethene	2.13	96	52208	22.404	ug/L 91
13) Acetone	2.18	43	36747	58.540	ug/L 99
14) Carbon disulfide	2.31	76	135907	23.289	ug/L 99
15) Methyl Acetate	2.45	43	24033	26.241	ug/L 98
16) Methylene chloride	2.53	84	47825	21.131	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	114285	23.610	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	47954	23.609	ug/L 99
19) 1,1-Dichloroethane	3.23	63	81706	23.047	ug/L 96
21) 2-Butanone	4.01	43	39816	51.378	ug/L 94
22) cis-1,2-Dichloroethene	3.96	96	52511	23.070	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	24216	23.013	ug/L	94
25) Chloroform	4.42	83	95359	23.606	ug/L	98
27) 1,2-Dichloroethane	5.18	62	63213	22.663	ug/L	99
30) Cyclohexane	4.72	56	77711	23.035	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	82669	23.641	ug/L	98
32) Carbon tetrachloride	4.87	117	71143	24.010	ug/L	99
34) Benzene	5.14	78	195856	23.136	ug/L	100
35) Trichloroethene	5.96	95	55003	23.399	ug/L	98
36) Methylcyclohexane	6.18	83	88254	22.609	ug/L	97
40) 1,2-Dichloropropane	6.22	63	44976	21.868	ug/L	99
41) Bromodichloromethane	6.55	83	66574	23.525	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	78735	25.214	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	70376	50.039	ug/L	99
44) Toluene	7.43	91	221639	23.506	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	63391	23.507	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	39049	22.723	ug/L	100
47) Tetrachloroethene	8.02	164	42604	22.944	ug/L	98
49) 2-Hexanone	8.18	43	56325	53.325	ug/L	98
50) Dibromochloromethane	8.29	129	46884	24.056	ug/L	97
51) 1,2-Dibromoethane	8.40	107	41989	24.669	ug/L	98
52) Chlorobenzene	8.93	112	140850	22.957	ug/L	99
53) Ethylbenzene	9.06	91	246883	23.673	ug/L	98
54) m,p-Xylene	9.18	106	92097	23.395	ug/L	96
55) o-xylene	9.59	106	92230	23.872	ug/L	100
56) Styrene	9.60	104	148503	23.567	ug/L	98
57) Isopropylbenzene	9.98	105	242840	23.700	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	54533	24.474	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	39345	24.597	ug/L	99
62) Bromoform	9.78	173	25748	24.469	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	106701	23.746	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	104902	22.936	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	98091	23.463	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8134	26.280	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	73121	23.367	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	54167	24.420	ug/L	95
69) Naphthalene	13.55	128	92980	25.378	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	48923	23.984	ug/L	99

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

