

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\
 Data File : VV010348.D
 Acq On : 18 Apr 2019 14:01
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV06

Quant Time: Apr 19 05:42:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 13:50:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	323199	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	313293	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	165076	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86105	20.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.92%
7) Chloroethane-d5	1.57	69	79371	23.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.08%
10) 1,1-Dichloroethene-d2	2.12	63	212353	21.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.80%
20) 2-Butanone-d5	3.93	46	72188	56.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.96%
24) Chloroform-d	4.40	84	192507	22.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.64%
26) 1,2-Dichloroethane-d4	5.08	65	116161	23.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.64%
29) Benzene-d6	5.09	84	355869	22.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.76%
33) 1,2-Dichloropropane-d6	6.11	67	108082	23.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.12%
37) Toluene-d8	7.36	98	350722	22.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.00%
38) trans-1,3-Dichloropropene-	7.66	79	49856	21.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.40%
39) 2-Hexanone-d5	8.13	63	54545	52.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.38%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	112799	24.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	146880	22.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	114566	23.369	ug/L 99
3) Chloromethane	1.25	50	99853	23.437	ug/L 99
5) Vinyl chloride	1.32	62	102664	23.067	ug/L 97
6) Bromomethane	1.53	94	81290	28.554	ug/L 99
8) Chloroethane	1.59	64	70815	24.964	ug/L 99
9) Trichlorofluoromethane	1.76	101	214851	23.504	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	109071	22.652	ug/L 98
12) 1,1-Dichloroethene	2.13	96	96853	23.068	ug/L 94
13) Acetone	2.19	43	60357	44.748	ug/L 97
14) Carbon disulfide	2.31	76	233776	22.573	ug/L 98
15) Methyl Acetate	2.46	43	56812	25.804	ug/L 99
16) Methylene chloride	2.53	84	104648	20.271	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	254791	25.200	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	95484	23.974	ug/L 96
19) 1,1-Dichloroethane	3.23	63	168606	24.782	ug/L 98
21) 2-Butanone	4.02	43	76841	52.553	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	108176	23.842	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	55792	24.569	ug/L	92
25) Chloroform	4.42	83	190451	24.021	ug/L	100
27) 1,2-Dichloroethane	5.18	62	139475	24.622	ug/L	100
30) Cyclohexane	4.72	56	132225	23.028	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	165907	24.020	ug/L	99
32) Carbon tetrachloride	4.87	117	155263	23.825	ug/L	99
34) Benzene	5.14	78	367667	24.049	ug/L	100
35) Trichloroethene	5.96	95	106440	23.532	ug/L	97
36) Methylcyclohexane	6.17	83	152184	23.106	ug/L	97
40) 1,2-Dichloropropane	6.22	63	95780	24.427	ug/L	99
41) Bromodichloromethane	6.55	83	138348	25.143	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	156611	26.482	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	167901	54.806	ug/L	100
44) Toluene	7.43	91	413444	23.988	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	139046	25.218	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	87609	24.800	ug/L	98
47) Tetrachloroethene	8.02	164	93989	23.288	ug/L	97
49) 2-Hexanone	8.18	43	124209	57.924	ug/L	93
50) Dibromochloromethane	8.29	129	113750	26.226	ug/L	99
51) 1,2-Dibromoethane	8.40	107	91207	26.035	ug/L	98
52) Chlorobenzene	8.92	112	287808	23.999	ug/L	99
53) Ethylbenzene	9.05	91	464962	23.746	ug/L	98
54) m,p-Xylene	9.18	106	177832	23.461	ug/L	99
55) o-xylene	9.59	106	176851	24.193	ug/L	96
56) Styrene	9.60	104	303026	24.276	ug/L	98
57) Isopropylbenzene	9.97	105	462746	23.756	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	118286	25.895	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	88019	26.610	ug/L	100
62) Bromoform	9.77	173	67962	26.631	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	237834	23.624	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	247132	23.809	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	238310	24.517	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	21432	27.590	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	196218	23.434	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	166725	24.915	ug/L	99
69) Naphthalene	13.55	128	344789	27.901	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	162366	24.970	ug/L	99

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

