

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041019\
 Data File : VV010215.D
 Acq On : 10 Apr 2019 14:51
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 07:09:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 07:05:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	300865	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	300470	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	151958	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79547	22.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.88%
7) Chloroethane-d5	1.57	69	71257	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.76%
10) 1,1-Dichloroethene-d2	2.13	63	205846	23.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.40%
20) 2-Butanone-d5	3.93	46	51010	58.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.40%
24) Chloroform-d	4.40	84	169865	24.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.88%
26) 1,2-Dichloroethane-d4	5.08	65	100512	25.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.76%
29) Benzene-d6	5.09	84	343967	23.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.96%
33) 1,2-Dichloropropane-d6	6.11	67	102664	23.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.28%
37) Toluene-d8	7.36	98	343265	24.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.20%
38) trans-1,3-Dichloropropene-	7.66	79	47008	26.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.64%
39) 2-Hexanone-d5	8.13	63	40427	54.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.64%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	97858	25.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	143818	25.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	119382	24.761	ug/L 98
3) Chloromethane	1.25	50	98439	24.882	ug/L 99
5) Vinyl chloride	1.32	62	102717	24.144	ug/L 100
6) Bromomethane	1.51	94	95729	27.763	ug/L 99
8) Chloroethane	1.59	64	64394	24.274	ug/L 98
9) Trichlorofluoromethane	1.76	101	206896	24.012	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	107553	23.317	ug/L 98
12) 1,1-Dichloroethene	2.14	96	97409	24.540	ug/L 94
13) Acetone	2.18	43	48273	51.550	ug/L 97
14) Carbon disulfide	2.32	76	250948	26.178	ug/L 99
15) Methyl Acetate	2.45	43	44779	26.849	ug/L 96
16) Methylene chloride	2.53	84	109941	18.659	ug/L 97
17) Methyl tert-butyl Ether	2.80	73	230703	26.858	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	96303	25.533	ug/L 94
19) 1,1-Dichloroethane	3.23	63	158303	25.515	ug/L 96
21) 2-Butanone	4.01	43	60319	56.475	ug/L 95
22) cis-1,2-Dichloroethene	3.96	96	107551	26.207	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	53683	26.566	ug/L	95
25) Chloroform	4.42	83	185993	25.238	ug/L	97
27) 1,2-Dichloroethane	5.18	62	124954	26.493	ug/L	99
30) Cyclohexane	4.72	56	135016	23.995	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	152986	24.341	ug/L	99
32) Carbon tetrachloride	4.87	117	141411	24.144	ug/L	98
34) Benzene	5.14	78	372158	24.434	ug/L	100
35) Trichloroethene	5.96	95	104834	23.822	ug/L	96
36) Methylcyclohexane	6.17	83	160182	24.359	ug/L	99
40) 1,2-Dichloropropane	6.22	63	89622	24.047	ug/L	100
41) Bromodichloromethane	6.55	83	126489	25.471	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	141305	25.019	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	125502	52.030	ug/L	96
44) Toluene	7.43	91	423827	24.752	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	126325	26.651	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	82108	25.972	ug/L	96
47) Tetrachloroethene	8.02	164	92431	23.693	ug/L	98
49) 2-Hexanone	8.18	43	89966	56.728	ug/L	98
50) Dibromochloromethane	8.29	129	100418	25.966	ug/L	97
51) 1,2-Dibromoethane	8.40	107	83028	25.750	ug/L	99
52) Chlorobenzene	8.92	112	293448	24.560	ug/L	98
53) Ethylbenzene	9.05	91	465211	24.638	ug/L	98
54) m,p-Xylene	9.18	106	184037	24.707	ug/L	99
55) o-xylene	9.59	106	182100	24.550	ug/L	92
56) Styrene	9.60	104	306360	25.941	ug/L	99
57) Isopropylbenzene	9.97	105	470765	24.971	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	100882	25.819	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	74888	26.042	ug/L	95
62) Bromoform	9.77	173	59229	26.857	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	240387	25.513	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	243843	25.433	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	228846	25.445	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	14242	27.991	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	182336	26.116	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	128545	26.870	ug/L	96
69) Naphthalene	13.55	128	205048	31.541	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	122686	27.653	ug/L	98

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

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