

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100219\
 Data File : VV013028.D
 Acq On : 02 Oct 2019 12:17
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 3:10:46 PM

Quant Time: Oct 03 04:16:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM093019SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 03 03:55:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	611664	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	640003	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	328848	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	196549	22.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.84%
7) Chloroethane-d5	1.58	69	176057	24.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.13	63	276380	18.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.36%
21) 2-Butanone-d5	3.95	46	179539	58.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.22%
24) Chloroform-d	4.40	84	407405	24.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.92%
26) 1,2-Dichloroethane-d4	5.08	65	251603	26.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.36%
32) Benzene-d6	5.10	84	828997	23.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.92%
36) 1,2-Dichloropropane-d6	6.12	67	276251	24.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.84%
41) Toluene-d8	7.36	98	737917	22.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.56%
43) trans-1,3-Dichloropropene-	7.66	79	108760	23.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.68%
47) 2-Hexanone-d5	8.13	63	126315	54.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.28%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	263083	25.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.68%
66) 1,2-Dichlorobenzene-d4	11.67	152	323746	25.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	10206	1.557	ug/L	92
3) Chloromethane	1.25	50	15726	1.885	ug/L	99
5) Vinyl chloride	1.32	62	16608	1.932	ug/L	84
6) Bromomethane	1.53	94	10470	1.896	ug/L	86
8) Chloroethane	1.60	64	10307	1.897	ug/L	98
9) Trichlorofluoromethane	1.77	101	24103	2.070	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	17163	2.300	ug/L	87
12) 1,1-Dichloroethene	2.14	96	15692	2.239	ug/L #	1
13) Acetone	2.21	43	15845	4.866	ug/L	92
14) Carbon disulfide	2.32	76	40158	1.867	ug/L	98
15) Methyl Acetate	2.47	43	10568	2.103	ug/L	99
16) Methylene chloride	2.53	84	28693	2.864	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	17010	2.058	ug/L	97
18) Methyl tert-butyl Ether	2.80	73	42332	2.036	ug/L	99
19) 1,1-Dichloroethane	3.23	63	31415	2.071	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	19019	2.069	ug/L	99
22) 2-Butanone	4.05	43	12343m	3.458	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	9451m	2.098	ug/L	
25) Chloroform	4.42	83	39368	2.490	ug/L	99
27) 1,2-Dichloroethane	5.18	62	22545	2.074	ug/L	97
29) Cyclohexane	4.72	56	22805	1.619	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	24974	1.910	ug/L	99
31) Carbon tetrachloride	4.87	117	21976	1.867	ug/L	99
33) Benzene	5.15	78	70274	1.921	ug/L	100
34) Trichloroethene	5.96	95	19203	1.937	ug/L	96
35) Methylcyclohexane	6.17	83	25475	1.637	ug/L	98
37) 1,2-Dichloropropane	6.22	63	18687	1.990	ug/L	99
38) Bromodichloromethane	6.55	83	24334	1.986	ug/L	93
39) cis-1,3-Dichloropropene	7.07	75	25865	1.830	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	30097	4.011	ug/L	98
42) Toluene	7.43	91	77947	2.003	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	22281m	1.919	ug/L	
45) 1,1,2-Trichloroethane	7.88	97	16466	2.067	ug/L	99
46) Tetrachloroethene	8.02	164	16077	1.960	ug/L	100
48) 2-Hexanone	8.19	43	24172	4.424	ug/L	97
49) Dibromochloromethane	8.29	129	18212	2.005	ug/L	97
50) 1,2-Dibromoethane	8.40	107	16340	2.080	ug/L	98
51) Chlorobenzene	8.92	112	53533	2.028	ug/L	98
52) Ethylbenzene	9.05	91	75323	1.762	ug/L	98
53) m,p-Xylene	9.18	106	27264	1.668	ug/L	88
54) o-Xylene	9.59	106	25494	1.631	ug/L	98
55) Styrene	9.60	104	42981	1.570	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	22067	2.272	ug/L	98
59) Bromoform	9.77	173	11416	2.027	ug/L #	96
60) Isopropylbenzene	9.97	105	64877	1.637	ug/L	97
61) 1,2,3-Trichloropropane	10.31	75	17076	2.281	ug/L	100
62) 1,3,5-Trimethylbenzene	10.58	105	50435	1.579	ug/L	98
63) 1,2,4-Trimethylbenzene	10.95	105	49854	1.555	ug/L	97
64) 1,3-Dichlorobenzene	11.22	146	41811	2.010	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	46228	2.116	ug/L	99
67) 1,2-Dichlorobenzene	11.69	146	43015	2.166	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.48	75	3396	2.092	ug/L	93
69) 1,3,5-Trichlorobenzene	12.69	180	32103	1.917	ug/L	96
70) 1,2,4-trichlorobenzene	13.31	180	27399	1.892	ug/L	97
71) Naphthalene	13.55	128	46889	1.662	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	26399	1.890	ug/L	98

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

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