

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040119\
 Data File : VV010054.D
 Acq On : 01 Apr 2019 20:48
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

Quant Time: Apr 01 21:09:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 01 21:03:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	287063	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	273976	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	132979	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	93435	23.70	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.80%
7) Chloroethane-d5	1.56	69	84865	24.45	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.80%
10) 1,1-Dichloroethene-d2	2.12	63	229456	23.20	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.80%
20) 2-Butanone-d5	3.92	46	60110	56.19	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.38%
24) Chloroform-d	4.39	84	176553	25.56	ug/L	-0.02
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.24%
26) 1,2-Dichloroethane-d4	5.07	65	106180	25.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.44%
29) Benzene-d6	5.09	84	375438	26.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.32%
33) 1,2-Dichloropropane-d6	6.11	67	110303	27.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.56%
37) Toluene-d8	7.35	98	357303	25.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.44%
38) trans-1,3-Dichloropropene-	7.66	79	46990	27.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.32%
39) 2-Hexanone-d5	8.13	63	45428	56.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.88%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	108675	26.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	126294	23.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	96811	21.897	ug/L	98
3) Chloromethane	1.24	50	86095	22.288	ug/L	99
5) Vinyl chloride	1.31	62	100839	23.864	ug/L	98
6) Bromomethane	1.51	94	86176	22.885	ug/L	99
8) Chloroethane	1.58	64	68346	24.437	ug/L	98
9) Trichlorofluoromethane	1.75	101	215376	24.764	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	109957	22.338	ug/L	98
12) 1,1-Dichloroethene	2.13	96	93660	22.074	ug/L	98
13) Acetone	2.18	43	51334	40.552	ug/L	95
14) Carbon disulfide	2.30	76	204749	24.024	ug/L	99
15) Methyl Acetate	2.45	43	48263	26.273	ug/L	96
16) Methylene chloride	2.52	84	99951	19.927	ug/L	99
17) Methyl tert-butyl Ether	2.79	73	228592	26.121	ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	87237	24.707	ug/L	99
19) 1,1-Dichloroethane	3.22	63	156640	25.220	ug/L	99
21) 2-Butanone	4.00	43	63713	52.941	ug/L	93
22) cis-1,2-Dichloroethene	3.95	96	101982	25.773	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	50546	25.847	ug/L	99
25) Chloroform	4.41	83	191728	26.352	ug/L	98
27) 1,2-Dichloroethane	5.17	62	120385	26.050	ug/L	98
30) Cyclohexane	4.72	56	124574	24.890	ug/L	94
31) 1,1,1-Trichloroethane	4.65	97	149538	26.715	ug/L	98
32) Carbon tetrachloride	4.87	117	131267	25.750	ug/L	99
34) Benzene	5.14	78	351892	25.647	ug/L	100
35) Trichloroethene	5.95	95	98057	24.987	ug/L	98
36) Methylcyclohexane	6.17	83	146064	24.196	ug/L	99
40) 1,2-Dichloropropane	6.21	63	90337	26.908	ug/L #	93
41) Bromodichloromethane	6.55	83	121712	27.203	ug/L	97
42) cis-1,3-Dichloropropene	7.06	75	134238	26.137	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	138194	53.860	ug/L	100
44) Toluene	7.43	91	402572	25.888	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	116834	27.357	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	80945	26.617	ug/L	93
47) Tetrachloroethene	8.01	164	82525	24.773	ug/L	96
49) 2-Hexanone	8.18	43	94530	55.554	ug/L	97
50) Dibromochloromethane	8.29	129	93173	26.492	ug/L	97
51) 1,2-Dibromoethane	8.39	107	81500	26.733	ug/L	100
52) Chlorobenzene	8.92	112	270072	25.224	ug/L	98
53) Ethylbenzene	9.05	91	426518	24.823	ug/L	98
54) m,p-Xylene	9.18	106	169961	24.670	ug/L	98
55) o-xylene	9.59	106	160607	24.645	ug/L	100
56) Styrene	9.60	104	273236	25.058	ug/L	98
57) Isopropylbenzene	9.97	105	427730	24.636	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	102228	25.985	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	73458	25.446	ug/L	100
62) Bromoform	9.77	173	51061	27.487	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	199475	24.871	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	206231	24.454	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	195225	24.662	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	14192	27.809	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	145854	24.658	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	106413	24.666	ug/L	99
69) Naphthalene	13.55	128	189550	27.949	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	102391	25.330	ug/L	97

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

