

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042219\
 Data File : VV010415.D
 Acq On : 22 Apr 2019 15:11
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV82

Quant Time: Apr 23 06:55:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 22 15:14:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	461202	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	459125	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	244035	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	136126	21.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.68%
7) Chloroethane-d5	1.57	69	107061	21.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.64%
10) 1,1-Dichloroethene-d2	2.13	63	262539	22.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.52%
20) 2-Butanone-d5	3.93	46	81487	54.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.68%
24) Chloroform-d	4.40	84	274145	24.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.28%
26) 1,2-Dichloroethane-d4	5.08	65	169249	24.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.92%
29) Benzene-d6	5.10	84	508418	23.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.92%
33) 1,2-Dichloropropane-d6	6.12	67	151964	24.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.24%
37) Toluene-d8	7.36	98	521658	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.56%
38) trans-1,3-Dichloropropene-	7.66	79	80243	26.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.24%
39) 2-Hexanone-d5	8.13	63	64687	52.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.16%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	155134	25.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	231238	24.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	167599	23.826	ug/L	100
3) Chloromethane	1.25	50	149078	25.543	ug/L	98
5) Vinyl chloride	1.33	62	154562	22.413	ug/L	99
6) Bromomethane	1.52	94	96460	26.833	ug/L	98
8) Chloroethane	1.59	64	90907	23.447	ug/L	94
9) Trichlorofluoromethane	1.77	101	268960	22.830	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	147114	22.303	ug/L	99
12) 1,1-Dichloroethene	2.14	96	135328	23.302	ug/L	99
13) Acetone	2.19	43	66862	41.987	ug/L	98
14) Carbon disulfide	2.32	76	301172	23.205	ug/L	99
15) Methyl Acetate	2.46	43	60628	25.578	ug/L	97
16) Methylene chloride	2.53	84	139075	20.563	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	346295	25.154	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	122196	23.789	ug/L	99
19) 1,1-Dichloroethane	3.23	63	225853	24.605	ug/L	99
21) 2-Butanone	4.01	43	83093	48.958	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	142436	24.597	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	68615	24.560	ug/L	96
25) Chloroform	4.42	83	268613	24.355	ug/L	100
27) 1,2-Dichloroethane	5.18	62	193976	25.074	ug/L	99
30) Cyclohexane	4.72	56	188268	23.145	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	237865	24.240	ug/L	99
32) Carbon tetrachloride	4.87	117	219299	23.578	ug/L	100
34) Benzene	5.14	78	493944	24.339	ug/L	100
35) Trichloroethene	5.96	95	147084	23.899	ug/L	98
36) Methylcyclohexane	6.17	83	213976	23.273	ug/L	99
40) 1,2-Dichloropropane	6.22	63	128603	25.749	ug/L	98
41) Bromodichloromethane	6.55	83	194130	25.200	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	209518	25.403	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	188620	50.853	ug/L	100
44) Toluene	7.43	91	585713	23.883	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	192346	25.542	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	114222	25.499	ug/L	98
47) Tetrachloroethene	8.02	164	129156	23.643	ug/L	97
49) 2-Hexanone	8.18	43	134263	50.986	ug/L	95
50) Dibromochloromethane	8.29	129	153251	25.378	ug/L	97
51) 1,2-Dibromoethane	8.40	107	115698	24.616	ug/L	98
52) Chlorobenzene	8.92	112	415715	24.178	ug/L	99
53) Ethylbenzene	9.05	91	695103	24.241	ug/L	98
54) m,p-Xylene	9.18	106	275536	24.512	ug/L	95
55) o-xylene	9.59	106	266021	23.758	ug/L	96
56) Styrene	9.60	104	456304	24.700	ug/L	96
57) Isopropylbenzene	9.97	105	724685	23.956	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	144443	24.891	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	110318	25.658	ug/L	99
62) Bromoform	9.77	173	90985	24.895	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	354263	24.823	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	358731	24.554	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	346012	24.949	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	24612	26.776	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	281715	24.702	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	218560	25.405	ug/L	98
69) Naphthalene	13.55	128	372044	26.907	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	205503	25.807	ug/L	99

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

