

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040219\
 Data File : VV010064.D
 Acq On : 02 Apr 2019 17:19
 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 03 05:59:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 02 17:59:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	298721	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	291616	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	149121	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95661	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.68%
7) Chloroethane-d5	1.58	69	127288	25.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.52%
10) 1,1-Dichloroethene-d2	2.13	63	238741	23.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.68%
20) 2-Butanone-d5	3.94	46	49225	43.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.52%
24) Chloroform-d	4.40	84	185205	24.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.44%
26) 1,2-Dichloroethane-d4	5.08	65	99776	23.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.80%
29) Benzene-d6	5.10	84	373955	24.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.92%
33) 1,2-Dichloropropane-d6	6.12	67	104074	23.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.28%
37) Toluene-d8	7.36	98	362871	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.60%
38) trans-1,3-Dichloropropene-	7.66	79	44488	23.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.28%
39) 2-Hexanone-d5	8.14	63	36707	41.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.02%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	99345	22.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	141271	24.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	98997	22.913	ug/L	99
3) Chloromethane	1.25	50	89832	23.332	ug/L	99
5) Vinyl chloride	1.32	62	97798	23.320	ug/L	96
6) Bromomethane	1.53	94	114387	24.113	ug/L	96
8) Chloroethane	1.59	64	105012	28.645	ug/L	100
9) Trichlorofluoromethane	1.77	101	205193	23.738	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	115130	23.951	ug/L	97
12) 1,1-Dichloroethene	2.14	96	97298	23.824	ug/L	84
13) Acetone	2.20	43	48720	43.303	ug/L	99
14) Carbon disulfide	2.32	76	198770	23.452	ug/L	100
15) Methyl Acetate	2.46	43	36568	20.312	ug/L	99
16) Methylene chloride	2.54	84	92727	17.668	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	201096	22.991	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	85222	23.890	ug/L	98
19) 1,1-Dichloroethane	3.23	63	146218	24.125	ug/L	99
21) 2-Butanone	4.03	43	50429	40.927	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	95079	24.004	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	44142	22.968	ug/L	86
25) Chloroform	4.43	83	166489	24.512	ug/L	100
27) 1,2-Dichloroethane	5.18	62	106406	22.966	ug/L	97
30) Cyclohexane	4.73	56	123958	23.548	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	145084	24.395	ug/L	99
32) Carbon tetrachloride	4.87	117	131306	24.701	ug/L	100
34) Benzene	5.15	78	337040	23.634	ug/L	100
35) Trichloroethene	5.96	95	96742	23.569	ug/L	99
36) Methylcyclohexane	6.18	83	150671	24.502	ug/L	99
40) 1,2-Dichloropropane	6.22	63	86295	23.950	ug/L	99
41) Bromodichloromethane	6.55	83	109975	23.469	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	129832	24.892	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	114883	43.093	ug/L	97
44) Toluene	7.43	91	387968	24.241	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	106301	23.964	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	74450	23.302	ug/L	98
47) Tetrachloroethene	8.02	164	80274	23.364	ug/L	97
49) 2-Hexanone	8.19	43	85970	45.148	ug/L	95
50) Dibromochloromethane	8.29	129	85295	23.815	ug/L	94
51) 1,2-Dibromoethane	8.40	107	72043	22.817	ug/L #	95
52) Chlorobenzene	8.93	112	263864	24.170	ug/L	98
53) Ethylbenzene	9.05	91	430700	24.541	ug/L	95
54) m,p-Xylene	9.18	106	167511	24.522	ug/L	97
55) o-xylene	9.59	106	163193	24.659	ug/L	96
56) Styrene	9.60	104	278248	25.417	ug/L	98
57) Isopropylbenzene	9.97	105	442924	25.378	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	89384	21.782	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	63873	21.707	ug/L	100
62) Bromoform	9.78	173	44724	21.324	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	211798	24.198	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	216068	23.698	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	203305	23.644	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	12088	20.734	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	162106	24.940	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	126217	25.358	ug/L	99
69) Naphthalene	13.55	128	197250	23.820	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	117119	25.203	ug/L	98

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

