

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV030719\
 Data File : VV009539.D
 Acq On : 07 Mar 2019 19:38
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

Quant Time: Mar 08 04:07:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 03:01:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	155311	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	154841	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75043	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43901	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.92%
7) Chloroethane-d5	1.58	69	71514	26.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.80%
10) 1,1-Dichloroethene-d2	2.13	63	117386	24.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.52%
20) 2-Butanone-d5	3.95	46	33472	52.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.08%
24) Chloroform-d	4.40	84	90537	24.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.88%
26) 1,2-Dichloroethane-d4	5.08	65	54755	26.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.04%
29) Benzene-d6	5.10	84	181743	23.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.80%
33) 1,2-Dichloropropane-d6	6.12	67	55692	24.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.44%
37) Toluene-d8	7.36	98	175554	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.92%
38) trans-1,3-Dichloropropene-	7.67	79	25789	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.04%
39) 2-Hexanone-d5	8.14	63	24701	46.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.54%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	60432	25.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	67912	24.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	45806	25.615	ug/L	97
3) Chloromethane	1.25	50	47542	24.945	ug/L	99
5) Vinyl chloride	1.32	62	54862	26.110	ug/L	99
6) Bromomethane	1.53	94	50261	19.215	ug/L	95
8) Chloroethane	1.60	64	66177	28.343	ug/L	99
9) Trichlorofluoromethane	1.76	101	118261	27.438	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	64266	26.628	ug/L	96
12) 1,1-Dichloroethene	2.14	96	52751	25.547	ug/L	90
13) Acetone	2.21	43	29907	46.171	ug/L	100
14) Carbon disulfide	2.32	76	130203	24.877	ug/L	100
15) Methyl Acetate	2.47	43	26287	25.060	ug/L	97
16) Methylene chloride	2.53	84	51062	25.052	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	127387	27.549	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	48122	25.945	ug/L	97
19) 1,1-Dichloroethane	3.23	63	87911	26.900	ug/L	99
21) 2-Butanone	4.03	43	39169	47.913	ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	56433	26.951	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	25749	26.669	ug/L	90
25) Chloroform	4.42	83	97798	26.815	ug/L	98
27) 1,2-Dichloroethane	5.18	62	70993	28.027	ug/L	100
30) Cyclohexane	4.72	56	77366	23.543	ug/L	95
31) 1,1,1-Trichloroethane	4.66	97	84601	24.441	ug/L	99
32) Carbon tetrachloride	4.87	117	70016	23.926	ug/L	99
34) Benzene	5.15	78	201515	25.187	ug/L	100
35) Trichloroethene	5.96	95	55036	23.935	ug/L	98
36) Methylcyclohexane	6.17	83	90483	24.156	ug/L	99
40) 1,2-Dichloropropane	6.22	63	52252	25.329	ug/L	99
41) Bromodichloromethane	6.55	83	71536	25.691	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	84216	26.295	ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	80761	49.662	ug/L	99
44) Toluene	7.43	91	223705	24.736	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	72262	25.835	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	45275	26.416	ug/L	96
47) Tetrachloroethene	8.02	164	44074	25.272	ug/L	98
49) 2-Hexanone	8.19	43	60074	48.852	ug/L	97
50) Dibromochloromethane	8.29	129	52806	25.449	ug/L	99
51) 1,2-Dibromoethane	8.40	107	45302	25.583	ug/L	100
52) Chlorobenzene	8.93	112	151291	25.238	ug/L	97
53) Ethylbenzene	9.05	91	257580	24.889	ug/L	96
54) m,p-Xylene	9.18	106	97020	24.769	ug/L	95
55) o-xylene	9.59	106	96659	25.591	ug/L	93
56) Styrene	9.60	104	159326	25.641	ug/L	99
57) Isopropylbenzene	9.98	105	258671	24.830	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	62174	25.691	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	45737	26.217	ug/L	100
62) Bromoform	9.77	173	30142	24.752	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	115705	24.684	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	116906	24.406	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	113039	25.859	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10530	24.050	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	83397	24.803	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	66997	24.888	ug/L	98
69) Naphthalene	13.55	128	138126	24.360	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	62371	25.185	ug/L	97

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

