

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031519\
 Data File : VV009683.D
 Acq On : 15 Mar 2019 13:26
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02563

Quant Time: Mar 15 22:59:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM031319S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 15 22:56:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	140025	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	134210	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	64451	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42035	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.92%
7) Chloroethane-d5	1.57	69	41662	18.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.44%
10) 1,1-Dichloroethene-d2	2.13	63	115659	23.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.60%
20) 2-Butanone-d5	3.93	46	26585	56.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.38%
24) Chloroform-d	4.40	84	86885	24.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	5.08	65	51146	25.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.28%
29) Benzene-d6	5.10	84	172365	24.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.92%
33) 1,2-Dichloropropane-d6	6.12	67	50129	24.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.48%
37) Toluene-d8	7.36	98	166547	24.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.80%
38) trans-1,3-Dichloropropene-	7.66	79	22136	23.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.68%
39) 2-Hexanone-d5	8.13	63	20053	52.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.88%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	51723	26.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	59822	23.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	52790	24.367	ug/L 98
3) Chloromethane	1.25	50	47210	24.459	ug/L 100
5) Vinyl chloride	1.32	62	51092	24.636	ug/L 98
6) Bromomethane	1.51	94	55714	24.274	ug/L 99
8) Chloroethane	1.59	64	36817	20.673	ug/L 100
9) Trichlorofluoromethane	1.76	101	109857	24.971	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	59998	25.080	ug/L 98
12) 1,1-Dichloroethene	2.14	96	51581	24.576	ug/L 97
13) Acetone	2.19	43	32536	57.549	ug/L 99
14) Carbon disulfide	2.32	76	129016	24.547	ug/L 99
15) Methyl Acetate	2.46	43	21731	26.345	ug/L 97
16) Methylene chloride	2.53	84	50020	24.539	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	104852	24.051	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	46388	25.357	ug/L 98
19) 1,1-Dichloroethane	3.23	63	80453	25.197	ug/L 98
21) 2-Butanone	4.01	43	35045	50.210	ug/L 90
22) cis-1,2-Dichloroethene	3.96	96	50273	24.523	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	22810	24.068	ug/L	96
25) Chloroform	4.42	83	93894	25.808	ug/L	96
27) 1,2-Dichloroethane	5.18	62	61868	24.628	ug/L	100
30) Cyclohexane	4.72	56	75010	24.739	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	80284	25.545	ug/L	98
32) Carbon tetrachloride	4.87	117	69756	26.194	ug/L	98
34) Benzene	5.14	78	190858	25.085	ug/L	100
35) Trichloroethene	5.96	95	53065	25.117	ug/L	98
36) Methylcyclohexane	6.18	83	86271	24.591	ug/L	99
40) 1,2-Dichloropropane	6.22	63	44939	24.311	ug/L	99
41) Bromodichloromethane	6.55	83	63009	24.774	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	72194	25.723	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	64487	51.017	ug/L	97
44) Toluene	7.43	91	214864	25.354	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	60028	24.768	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	38317	24.809	ug/L	97
47) Tetrachloroethene	8.02	164	41006	24.571	ug/L	97
49) 2-Hexanone	8.18	43	48645	51.242	ug/L	98
50) Dibromochloromethane	8.29	129	44931	25.651	ug/L	98
51) 1,2-Dibromoethane	8.40	107	39314	25.699	ug/L #	99
52) Chlorobenzene	8.93	112	137245	24.890	ug/L	99
53) Ethylbenzene	9.05	91	241056	25.718	ug/L	99
54) m,p-Xylene	9.18	106	91487	25.858	ug/L	97
55) o-xylene	9.59	106	89603	25.805	ug/L	98
56) Styrene	9.60	104	148018	26.136	ug/L	100
57) Isopropylbenzene	9.98	105	241347	26.207	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	53013	26.472	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	37937	26.388	ug/L	98
62) Bromoform	9.77	173	25412	25.803	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	103259	24.553	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	100859	23.561	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	96079	24.554	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	7690	26.545	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	73400	25.062	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	53410	25.726	ug/L	96
69) Naphthalene	13.55	128	82128	23.950	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	47869	25.073	ug/L	98

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

