

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
 Data File : VV011063.D
 Acq On : 28 May 2019 13:36
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02574

Quant Time: May 29 02:13:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 28 13:06:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	469771	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	451134	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	215785	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	156672	24.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.32%
7) Chloroethane-d5	1.57	69	115078	25.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.12%
10) 1,1-Dichloroethene-d2	2.13	63	300666	25.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.40%
20) 2-Butanone-d5	3.94	46	109820	49.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.94%
24) Chloroform-d	4.40	84	280847	24.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.08	65	177800	24.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.64%
29) Benzene-d6	5.10	84	649085	24.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.28%
33) 1,2-Dichloropropane-d6	6.12	67	205255	24.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.68%
37) Toluene-d8	7.36	98	615047	25.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.04%
38) trans-1,3-Dichloropropene-	7.66	79	96228	24.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.32%
39) 2-Hexanone-d5	8.13	63	89565	48.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.84%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	178708	24.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	210348	24.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	213630	27.888	ug/L	99
3) Chloromethane	1.25	50	220471	29.178	ug/L	99
5) Vinyl chloride	1.32	62	195363	28.015	ug/L	99
6) Bromomethane	1.51	94	94531	31.454	ug/L	99
8) Chloroethane	1.59	64	106648	28.192	ug/L	100
9) Trichlorofluoromethane	1.76	101	259425	27.774	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	133224	26.579	ug/L	99
12) 1,1-Dichloroethene	2.14	96	124668	26.433	ug/L	99
13) Acetone	2.19	43	144735	57.554	ug/L	99
14) Carbon disulfide	2.31	76	426360	27.024	ug/L	100
15) Methyl Acetate	2.46	43	95428	26.290	ug/L #	100
16) Methylene chloride	2.53	84	175931	25.616	ug/L	100
17) Methyl tert-butyl Ether	2.81	73	450362	25.492	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	170632	26.448	ug/L	99
19) 1,1-Dichloroethane	3.23	63	328439	26.186	ug/L	99
21) 2-Butanone	4.02	43	175938	56.810	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	185089	25.471	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	76254	24.773	ug/L	96
25) Chloroform	4.42	83	341683	25.797	ug/L	100
27) 1,2-Dichloroethane	5.18	62	226058	26.196	ug/L	99
30) Cyclohexane	4.72	56	339059	25.947	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	272718	26.550	ug/L	100
32) Carbon tetrachloride	4.87	117	232577	26.437	ug/L	100
34) Benzene	5.14	78	702895	25.766	ug/L	100
35) Trichloroethene	5.96	95	183600	25.769	ug/L	99
36) Methylcyclohexane	6.17	83	316494	25.744	ug/L	98
40) 1,2-Dichloropropane	6.22	63	184168	25.332	ug/L	100
41) Bromodichloromethane	6.55	83	236332	25.641	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	299926	25.821	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	317397	49.781	ug/L	99
44) Toluene	7.43	91	774598	26.115	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	254548	25.681	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	136846	25.397	ug/L	99
47) Tetrachloroethene	8.02	164	136938	26.650	ug/L	97
49) 2-Hexanone	8.18	43	266835	56.748	ug/L	97
50) Dibromochloromethane	8.29	129	159299	25.516	ug/L	98
51) 1,2-Dibromoethane	8.40	107	134483	26.082	ug/L	98
52) Chlorobenzene	8.92	112	482124	26.228	ug/L	99
53) Ethylbenzene	9.05	91	891828	26.374	ug/L	100
54) m,p-Xylene	9.18	106	332043	26.362	ug/L	99
55) o-xylene	9.59	106	321547	26.272	ug/L	98
56) Styrene	9.60	104	551437	26.573	ug/L	99
57) Isopropylbenzene	9.97	105	873284	26.735	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	182110	25.655	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	139010	25.625	ug/L	100
62) Bromoform	9.78	173	89956	24.781	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	374303	26.367	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	370598	26.233	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	345124	26.016	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	33446	24.699	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	279175	26.739	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	229521	27.633	ug/L	99
69) Naphthalene	13.55	128	492985	28.772	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	210070	27.637	ug/L	100

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

