

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092619\
 Data File : VV013001.D
 Acq On : 26 Sep 2019 16:39
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.08G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02574

Quant Time: Sep 27 02:19:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 02:13:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	825235	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	795535	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	426662	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	243077	18.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.92%
7) Chloroethane-d5	1.58	69	203947	19.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.80%
10) 1,1-Dichloroethene-d2	2.13	63	437639	20.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.20%
20) 2-Butanone-d5	3.95	46	173816	39.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.64%
24) Chloroform-d	4.40	84	440131	19.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.64%
26) 1,2-Dichloroethane-d4	5.08	65	245653	18.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.56%
29) Benzene-d6	5.09	84	890597	20.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.20%
33) 1,2-Dichloropropane-d6	6.11	67	274703	19.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	78.92%
37) Toluene-d8	7.35	98	823025	20.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.64%
38) trans-1,3-Dichloropropene-	7.66	79	112949	19.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.64%
39) 2-Hexanone-d5	8.13	63	115139	41.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	250708	18.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	313069	18.89	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	75.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	253912	27.939	ug/L	99
3) Chloromethane	1.25	50	295271	24.879	ug/L	98
5) Vinyl chloride	1.32	62	302493	25.815	ug/L	99
6) Bromomethane	1.53	94	177589	24.278	ug/L	98
8) Chloroethane	1.60	64	189323	26.293	ug/L	100
9) Trichlorofluoromethane	1.77	101	410594	25.908	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	251380	24.817	ug/L	98
12) 1,1-Dichloroethene	2.14	96	232128	24.883	ug/L	99
13) Acetone	2.22	43	217374	46.260	ug/L	100
14) Carbon disulfide	2.32	76	723956	24.295	ug/L	100
15) Methyl Acetate	2.47	43	157332	21.587	ug/L	99
16) Methylene chloride	2.53	84	305257	24.748	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	619199	22.622	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	267633	24.238	ug/L	98
19) 1,1-Dichloroethane	3.23	63	489805	24.307	ug/L	99
21) 2-Butanone	4.03	43	243989	44.616	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	287009	23.750	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	133471	22.360	ug/L	99
25) Chloroform	4.42	83	490289	23.206	ug/L	99
27) 1,2-Dichloroethane	5.17	62	337898	22.628	ug/L	99
30) Cyclohexane	4.72	56	456321	26.736	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	402201	25.545	ug/L	99
32) Carbon tetrachloride	4.87	117	363096	25.433	ug/L	99
34) Benzene	5.14	78	1116176	25.206	ug/L	100
35) Trichloroethene	5.96	95	298468	24.195	ug/L	99
36) Methylcyclohexane	6.17	83	497585	26.275	ug/L	99
40) 1,2-Dichloropropane	6.22	63	284564	24.711	ug/L	99
41) Bromodichloromethane	6.55	83	354859	24.058	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	406748	24.038	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	434769	45.953	ug/L	100
44) Toluene	7.43	91	1212052	25.952	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	336756	23.647	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	223137	22.824	ug/L	99
47) Tetrachloroethene	8.02	164	244986	24.435	ug/L	98
49) 2-Hexanone	8.18	43	335450	47.036	ug/L	97
50) Dibromochloromethane	8.29	129	258340	22.991	ug/L	99
51) 1,2-Dibromoethane	8.39	107	221075	23.076	ug/L	100
52) Chlorobenzene	8.92	112	771670	23.943	ug/L	99
53) Ethylbenzene	9.05	91	1331821	25.899	ug/L	100
54) m,p-Xylene	9.18	106	505623	25.864	ug/L	99
55) o-xylene	9.58	106	483402	25.952	ug/L	100
56) Styrene	9.60	104	854965	26.087	ug/L	99
57) Isopropylbenzene	9.97	105	1306771	26.694	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	275843	22.810	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	222290	22.270	ug/L	98
62) Bromoform	9.77	173	163685	22.608	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	635921	24.214	ug/L	99
64) 1,4-Dichlorobenzene	11.31	146	651894	23.651	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	594636	23.738	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	46316	20.854	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	502948	24.482	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	422865	23.539	ug/L	99
69) Naphthalene	13.55	128	829250	22.950	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	408216	23.635	ug/L	98

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

