

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092519\
 Data File : VV012987.D
 Acq On : 25 Sep 2019 20:01
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

Quant Time: Sep 26 01:16:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 01:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	708737	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	724504	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	397548	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	219290	19.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.76%
7) Chloroethane-d5	1.58	69	194264	21.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.40%
10) 1,1-Dichloroethene-d2	2.13	63	385858	21.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.40%
20) 2-Butanone-d5	3.92	46	194382	51.19	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.38%
24) Chloroform-d	4.40	84	440316	22.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.48%
26) 1,2-Dichloroethane-d4	5.08	65	260132	22.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.96%
29) Benzene-d6	5.10	84	871423	21.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.16%
33) 1,2-Dichloropropane-d6	6.11	67	280752	22.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.56%
37) Toluene-d8	7.36	98	807691	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.00%
38) trans-1,3-Dichloropropene-	7.66	79	114936	21.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.64%
39) 2-Hexanone-d5	8.13	63	135383	53.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	278769	23.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	336339	21.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	207223	26.549	ug/L	99
3) Chloromethane	1.25	50	260227	25.530	ug/L	100
5) Vinyl chloride	1.32	62	247726	24.616	ug/L	100
6) Bromomethane	1.53	94	158394	25.214	ug/L	99
8) Chloroethane	1.60	64	160024	25.877	ug/L	98
9) Trichlorofluoromethane	1.77	101	335891	24.678	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	203889	23.437	ug/L	99
12) 1,1-Dichloroethene	2.14	96	193139	24.107	ug/L	99
13) Acetone	2.18	43	174762	43.305	ug/L	99
14) Carbon disulfide	2.32	76	603353	23.576	ug/L	100
15) Methyl Acetate	2.46	43	158544	25.329	ug/L	98
16) Methylene chloride	2.53	84	291220	27.491	ug/L	100
17) Methyl tert-butyl Ether	2.80	73	620725	26.405	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	226644	23.899	ug/L	98
19) 1,1-Dichloroethane	3.23	63	438143	25.318	ug/L	99
21) 2-Butanone	4.01	43	217505	46.311	ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	267644	25.788	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	131989	25.746	ug/L	97
25) Chloroform	4.42	83	456351	25.150	ug/L	100
27) 1,2-Dichloroethane	5.18	62	335168	26.135	ug/L	98
30) Cyclohexane	4.72	56	361827	23.278	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	333414	23.252	ug/L	99
32) Carbon tetrachloride	4.87	117	296977	22.841	ug/L	99
34) Benzene	5.14	78	1000011	24.796	ug/L	100
35) Trichloroethene	5.96	95	259495	23.098	ug/L	99
36) Methylcyclohexane	6.17	83	393938	22.842	ug/L	99
40) 1,2-Dichloropropane	6.22	63	262501	25.030	ug/L	99
41) Bromodichloromethane	6.55	83	337778	25.145	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	393614	25.543	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	456630	52.995	ug/L	99
44) Toluene	7.43	91	1077582	25.335	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	326165	25.148	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	225562	25.334	ug/L	99
47) Tetrachloroethene	8.02	164	209535	22.948	ug/L	99
49) 2-Hexanone	8.18	43	330797	50.931	ug/L	98
50) Dibromochloromethane	8.29	129	254359	24.856	ug/L	98
51) 1,2-Dibromoethane	8.39	107	220898	25.318	ug/L	99
52) Chlorobenzene	8.92	112	726493	24.751	ug/L	100
53) Ethylbenzene	9.05	91	1182180	25.243	ug/L	100
54) m,p-Xylene	9.18	106	454604	25.534	ug/L	99
55) o-xylene	9.59	106	438752	25.864	ug/L	99
56) Styrene	9.60	104	802289	26.879	ug/L	99
57) Isopropylbenzene	9.97	105	1135518	25.470	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	284289	25.813	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	230148	25.318	ug/L	99
62) Bromoform	9.77	173	165087	24.472	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	602997	24.642	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	614592	23.930	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	572935	24.546	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	47776	23.087	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	452516	23.640	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	390143	23.308	ug/L	99
69) Naphthalene	13.55	128	836580	24.849	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	393692	24.463	ug/L	99

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

