

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092419\
 Data File : VV012958.D
 Acq On : 24 Sep 2019 13:27
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02569

Quant Time: Sep 25 00:54:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 24 16:19:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	867062	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	827647	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	448283	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	310898	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.44%
7) Chloroethane-d5	1.58	69	251880	23.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.64%
10) 1,1-Dichloroethene-d2	2.13	63	517655	23.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.56%
20) 2-Butanone-d5	3.93	46	195113	42.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.00%
24) Chloroform-d	4.40	84	546909	22.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.84%
26) 1,2-Dichloroethane-d4	5.08	65	310389	22.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.68%
29) Benzene-d6	5.09	84	1152664	24.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.76%
33) 1,2-Dichloropropane-d6	6.11	67	351526	24.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.08%
37) Toluene-d8	7.36	98	1071457	25.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.16%
38) trans-1,3-Dichloropropene-	7.66	79	146452	23.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.52%
39) 2-Hexanone-d5	8.13	63	144598	49.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.22%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	310098	22.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	415661	23.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	261244	27.359	ug/L 98
3) Chloromethane	1.25	50	295325	23.683	ug/L 100
5) Vinyl chloride	1.32	62	307543	24.980	ug/L 99
6) Bromomethane	1.53	94	163476	21.271	ug/L 99
8) Chloroethane	1.60	64	188722	24.945	ug/L 100
9) Trichlorofluoromethane	1.77	101	410522	24.654	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	259681	24.400	ug/L 99
12) 1,1-Dichloroethene	2.14	96	241735	24.663	ug/L 95
13) Acetone	2.19	43	193069	39.105	ug/L 98
14) Carbon disulfide	2.32	76	754211	24.089	ug/L 100
15) Methyl Acetate	2.46	43	158511	20.700	ug/L 98
16) Methylene chloride	2.53	84	315436	24.339	ug/L 97
17) Methyl tert-butyl Ether	2.80	73	691946	24.060	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	281290	24.246	ug/L 100
19) 1,1-Dichloroethane	3.23	63	507061	23.950	ug/L 100
21) 2-Butanone	4.01	43	225405	39.230	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	313959	24.726	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	146976	23.435	ug/L	99
25) Chloroform	4.42	83	518438	23.355	ug/L	100
27) 1,2-Dichloroethane	5.18	62	362336	23.094	ug/L	100
30) Cyclohexane	4.72	56	481915	27.140	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	416308	25.415	ug/L	99
32) Carbon tetrachloride	4.87	117	374336	25.203	ug/L	99
34) Benzene	5.14	78	1186899	25.763	ug/L	100
35) Trichloroethene	5.96	95	316448	24.657	ug/L	99
36) Methylcyclohexane	6.17	83	528457	26.823	ug/L	99
40) 1,2-Dichloropropane	6.22	63	301685	25.181	ug/L	100
41) Bromodichloromethane	6.55	83	379312	24.718	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	456829	25.950	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	446295	45.341	ug/L	98
44) Toluene	7.43	91	1277594	26.294	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	373200	25.189	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	242552	23.847	ug/L	100
47) Tetrachloroethene	8.02	164	274941	26.359	ug/L	98
49) 2-Hexanone	8.18	43	346217	46.662	ug/L	98
50) Dibromochloromethane	8.29	129	280813	24.021	ug/L	99
51) 1,2-Dibromoethane	8.39	107	236909	23.769	ug/L	100
52) Chlorobenzene	8.92	112	826397	24.646	ug/L	99
53) Ethylbenzene	9.05	91	1404009	26.244	ug/L	100
54) m,p-Xylene	9.18	106	542592	26.678	ug/L	100
55) o-xylene	9.59	106	517938	26.727	ug/L	99
56) Styrene	9.60	104	902856	26.479	ug/L	100
57) Isopropylbenzene	9.97	105	1378817	27.073	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	289395	23.002	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	230059	22.154	ug/L	100
62) Bromoform	9.77	173	174121	22.890	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	684766	24.816	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	705999	24.378	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	649006	24.658	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	49175	21.073	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	566936	26.266	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	493101	26.125	ug/L	99
69) Naphthalene	13.55	128	973384	25.640	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	473990	26.119	ug/L	99

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

