

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092719\
 Data File : VV013008.D
 Acq On : 27 Sep 2019 14:54
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

Quant Time: Sep 27 22:54:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 22:50:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	795411	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	753855	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	410915	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	267310	21.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.64%
7) Chloroethane-d5	1.58	69	210721	21.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.48%
10) 1,1-Dichloroethene-d2	2.13	63	468946	22.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.40%
20) 2-Butanone-d5	3.93	46	189630	44.50	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.00%
24) Chloroform-d	4.40	84	493802	22.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.08	65	273274	21.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.08%
29) Benzene-d6	5.09	84	995996	23.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.64%
33) 1,2-Dichloropropane-d6	6.11	67	308806	23.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.64%
37) Toluene-d8	7.36	98	930206	24.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.40%
38) trans-1,3-Dichloropropene-	7.66	79	124976	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.48%
39) 2-Hexanone-d5	8.13	63	131494	49.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	284589	22.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	360577	22.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	253825	28.976	ug/L 99
3) Chloromethane	1.25	50	302717	26.462	ug/L 99
5) Vinyl chloride	1.32	62	309264	27.383	ug/L 99
6) Bromomethane	1.53	94	178395	25.303	ug/L 100
8) Chloroethane	1.60	64	180822	26.054	ug/L 100
9) Trichlorofluoromethane	1.77	101	415125	27.176	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	258457	26.473	ug/L 99
12) 1,1-Dichloroethene	2.14	96	236877	26.344	ug/L 97
13) Acetone	2.20	43	212600	46.940	ug/L 99
14) Carbon disulfide	2.32	76	728237	25.355	ug/L 100
15) Methyl Acetate	2.46	43	150860	21.475	ug/L 100
16) Methylene chloride	2.53	84	291235	24.496	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	630075	23.882	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	272538	25.607	ug/L 99
19) 1,1-Dichloroethane	3.23	63	497127	25.596	ug/L 99
21) 2-Butanone	4.02	43	219723	41.686	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	292277	25.092	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	136705	23.760	ug/L	96
25) Chloroform	4.42	83	499808	24.544	ug/L	100
27) 1,2-Dichloroethane	5.17	62	346105	24.047	ug/L	100
30) Cyclohexane	4.72	56	466326	28.833	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	409562	27.451	ug/L	99
32) Carbon tetrachloride	4.87	117	371438	27.456	ug/L	99
34) Benzene	5.14	78	1132255	26.982	ug/L	100
35) Trichloroethene	5.96	95	304207	26.024	ug/L	99
36) Methylcyclohexane	6.17	83	508024	28.310	ug/L	99
40) 1,2-Dichloropropane	6.22	63	288545	26.442	ug/L	99
41) Bromodichloromethane	6.55	83	357226	25.558	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	430815	26.868	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	435182	48.540	ug/L	100
44) Toluene	7.43	91	1232879	27.857	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	350335	25.960	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	226432	24.442	ug/L	98
47) Tetrachloroethene	8.02	164	255393	26.881	ug/L	98
49) 2-Hexanone	8.18	43	335172	49.596	ug/L	98
50) Dibromochloromethane	8.29	129	264296	24.822	ug/L	100
51) 1,2-Dibromoethane	8.39	107	225039	24.788	ug/L	98
52) Chlorobenzene	8.92	112	793779	25.990	ug/L	100
53) Ethylbenzene	9.05	91	1374122	28.199	ug/L	99
54) m,p-Xylene	9.18	106	528971	28.554	ug/L	100
55) o-xylene	9.59	106	501899	28.435	ug/L	98
56) Styrene	9.60	104	875689	28.196	ug/L	98
57) Isopropylbenzene	9.97	105	1363933	29.403	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	283472	24.737	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	227455	24.048	ug/L	100
62) Bromoform	9.77	173	168505	24.166	ug/L	97
63) 1,3-Dichlorobenzene	11.22	146	664054	26.254	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	674564	25.411	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	616498	25.553	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	47092	22.016	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	529804	26.777	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	448753	25.937	ug/L	100
69) Naphthalene	13.55	128	870966	25.029	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	428947	25.786	ug/L	99

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

