

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022619\
 Data File : VV009388.D
 Acq On : 27 Feb 2019 00:46
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

Quant Time: Feb 27 04:49:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 27 04:43:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	154215	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	156464	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	76280	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42102	21.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.80%
7) Chloroethane-d5	1.57	69	46226	18.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.28%
10) 1,1-Dichloroethene-d2	2.13	63	120169	23.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.68%
20) 2-Butanone-d5	3.94	46	37753	64.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.18%
24) Chloroform-d	4.40	84	102357	27.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.48%
26) 1,2-Dichloroethane-d4	5.08	65	60419	29.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.80%
29) Benzene-d6	5.10	84	199589	24.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.00%
33) 1,2-Dichloropropane-d6	6.12	67	62783	25.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.04%
37) Toluene-d8	7.36	98	190248	23.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.36%
38) trans-1,3-Dichloropropene-	7.66	79	30997	25.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.76%
39) 2-Hexanone-d5	8.13	63	31483	61.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	70912	29.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	76435	27.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	42589	21.817	ug/L	100
3) Chloromethane	1.25	50	52276	25.229	ug/L	99
5) Vinyl chloride	1.32	62	52148	22.653	ug/L	98
6) Bromomethane	1.52	94	56633	22.874	ug/L	100
8) Chloroethane	1.59	64	39015	19.876	ug/L	99
9) Trichlorofluoromethane	1.76	101	108279	23.326	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	58320	22.643	ug/L	97
12) 1,1-Dichloroethene	2.14	96	51862	23.418	ug/L	92
13) Acetone	2.20	43	26470	39.609	ug/L	96
14) Carbon disulfide	2.31	76	140308	24.384	ug/L	99
15) Methyl Acetate	2.46	43	28626	32.418	ug/L	94
16) Methylene chloride	2.53	84	56557	27.076	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	142119	29.491	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	49948	25.949	ug/L	99
19) 1,1-Dichloroethane	3.23	63	92476	27.044	ug/L	99
21) 2-Butanone	4.02	43	40159	48.222	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	60578	27.992	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	27603	28.422	ug/L	96
25) Chloroform	4.43	83	102465	27.535	ug/L	99
27) 1,2-Dichloroethane	5.18	62	75044	29.153	ug/L	99
30) Cyclohexane	4.72	56	79174	21.362	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	83457	22.459	ug/L	99
32) Carbon tetrachloride	4.88	117	66046	20.840	ug/L	98
34) Benzene	5.15	78	210596	24.141	ug/L	100
35) Trichloroethene	5.96	95	56581	23.431	ug/L	98
36) Methylcyclohexane	6.18	83	88564	21.005	ug/L	98
40) 1,2-Dichloropropane	6.22	63	55937	25.811	ug/L	99
41) Bromodichloromethane	6.56	83	81243	26.361	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	89639	26.031	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	86954	56.120	ug/L	99
44) Toluene	7.43	91	243306	24.937	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	81988	26.262	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	49549	27.679	ug/L	98
47) Tetrachloroethene	8.02	164	41631	23.275	ug/L	95
49) 2-Hexanone	8.19	43	63436	49.033	ug/L	99
50) Dibromochloromethane	8.29	129	60293	26.926	ug/L	99
51) 1,2-Dibromoethane	8.40	107	49981	27.734	ug/L	97
52) Chlorobenzene	8.93	112	165368	26.167	ug/L	99
53) Ethylbenzene	9.06	91	272228	24.395	ug/L	99
54) m,p-Xylene	9.18	106	106021	24.389	ug/L	94
55) o-xylene	9.59	106	109945	26.676	ug/L	94
56) Styrene	9.60	104	189294	27.382	ug/L	100
57) Isopropylbenzene	9.97	105	285242	25.332	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	70644	29.021	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	48899	28.204	ug/L	96
62) Bromoform	9.77	173	37575	27.440	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	124720	25.471	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	126699	25.924	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	124389	27.038	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	13425	29.555	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	87352	25.265	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	68582	25.552	ug/L	99
69) Naphthalene	13.55	128	154629	28.452	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	67357	27.073	ug/L	99

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

