

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031419\
 Data File : VV009677.D
 Acq On : 14 Mar 2019 20:17
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02561

Quant Time: Mar 15 04:35:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM031319S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 15 04:30:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	135392	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	139705	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	65609	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42753	24.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.80%
7) Chloroethane-d5	1.57	69	44503	20.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.36%
10) 1,1-Dichloroethene-d2	2.13	63	117586	25.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.52%
20) 2-Butanone-d5	3.93	46	30313	66.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.70%
24) Chloroform-d	4.40	84	96514	27.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.84%
26) 1,2-Dichloroethane-d4	5.08	65	60194	30.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	123.28%
29) Benzene-d6	5.10	84	194770	26.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.32%
33) 1,2-Dichloropropane-d6	6.12	67	57208	26.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.88%
37) Toluene-d8	7.36	98	189674	26.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.00%
38) trans-1,3-Dichloropropene-	7.66	79	26507	26.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.76%
39) 2-Hexanone-d5	8.13	63	22670	57.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.98%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	59994	29.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.36%
61) 1,2-Dichlorobenzene-d4	11.67	152	67561	26.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	48235	23.026	ug/L	97
3) Chloromethane	1.25	50	44799	24.004	ug/L	97
5) Vinyl chloride	1.32	62	45559	22.720	ug/L	99
6) Bromomethane	1.51	94	52498	23.655	ug/L	100
8) Chloroethane	1.59	64	33525	19.469	ug/L	99
9) Trichlorofluoromethane	1.76	101	100543	23.636	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	55129	23.833	ug/L	98
12) 1,1-Dichloroethene	2.14	96	47256	23.286	ug/L	92
13) Acetone	2.19	43	29118	53.266	ug/L	98
14) Carbon disulfide	2.31	76	118586	23.335	ug/L	99
15) Methyl Acetate	2.46	43	21984	27.564	ug/L	96
16) Methylene chloride	2.53	84	50136	25.437	ug/L	97
17) Methyl tert-butyl Ether	2.80	73	117851	27.957	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	45136	25.517	ug/L	98
19) 1,1-Dichloroethane	3.23	63	81683	26.457	ug/L	97
21) 2-Butanone	4.01	43	35681	52.870	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	52518	26.495	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	25085	27.374	ug/L	94
25) Chloroform	4.42	83	97152	27.617	ug/L	99
27) 1,2-Dichloroethane	5.18	62	65850	27.110	ug/L	99
30) Cyclohexane	4.73	56	67978	21.538	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	75526	23.086	ug/L	97
32) Carbon tetrachloride	4.87	117	64891	23.409	ug/L	98
34) Benzene	5.15	78	190590	24.065	ug/L	100
35) Trichloroethene	5.96	95	50619	23.017	ug/L	99
36) Methylcyclohexane	6.18	83	77127	21.119	ug/L	97
40) 1,2-Dichloropropane	6.22	63	47164	24.511	ug/L #	96
41) Bromodichloromethane	6.56	83	66443	25.097	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	73404	25.126	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	67315	51.159	ug/L	97
44) Toluene	7.43	91	211902	24.021	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	63903	25.329	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	42253	26.281	ug/L	98
47) Tetrachloroethene	8.02	164	39847	22.937	ug/L	98
49) 2-Hexanone	8.18	43	48229	48.806	ug/L	100
50) Dibromochloromethane	8.29	129	46717	25.622	ug/L	98
51) 1,2-Dibromoethane	8.40	107	41648	26.154	ug/L #	99
52) Chlorobenzene	8.93	112	137672	23.985	ug/L	99
53) Ethylbenzene	9.06	91	233848	23.968	ug/L	97
54) m,p-Xylene	9.18	106	90432	24.554	ug/L	99
55) o-xylene	9.59	106	87554	24.223	ug/L	95
56) Styrene	9.60	104	151195	25.647	ug/L	98
57) Isopropylbenzene	9.98	105	227353	23.717	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	56578	27.141	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	39668	26.507	ug/L	98
62) Bromoform	9.78	173	26220	26.153	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	102596	23.965	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	103948	23.854	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	100248	25.167	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	8076	27.386	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	70551	23.664	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	50947	24.107	ug/L	99
69) Naphthalene	13.55	128	84253	24.136	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	49254	25.343	ug/L	96

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

