

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010419\
 Data File : VV009163.D
 Acq On : 04 Jan 2019 15:43
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00 G/10ML/MSVOA V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

Quant Time: Jan 05 05:00:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 05 04:53:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	189451	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	171101	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	84963	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26488	20.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.80%
7) Chloroethane-d5	1.58	69	27241	21.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.68%
10) 1,1-Dichloroethene-d2	2.13	63	94640	21.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.40%
20) 2-Butanone-d5	3.96	46	38807	42.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.14%
24) Chloroform-d	4.40	84	90344	22.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.08	65	48309	22.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.56%
29) Benzene-d6	5.10	84	173681	22.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.12%
33) 1,2-Dichloropropane-d6	6.12	67	49615	22.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.80%
37) Toluene-d8	7.36	98	161976	22.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.08%
38) trans-1,3-Dichloropropene-	7.67	79	23104	22.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.12%
39) 2-Hexanone-d5	8.14	63	22931	44.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.90%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55028	22.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.64%
61) 1,2-Dichlorobenzene-d4	11.67	152	62397	21.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	68498	22.493	ug/L	100
3) Chloromethane	1.25	50	46105	22.354	ug/L	99
5) Vinyl chloride	1.32	62	51208	23.187	ug/L	99
6) Bromomethane	1.53	94	35837	23.037	ug/L	98
8) Chloroethane	1.60	64	31475	23.126	ug/L	98
9) Trichlorofluoromethane	1.76	101	95379	23.557	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	63999	23.734	ug/L	99
12) 1,1-Dichloroethene	2.14	96	56123	23.999	ug/L	98
13) Acetone	2.21	43	51949	40.208	ug/L	97
14) Carbon disulfide	2.31	76	152240	22.783	ug/L	99
15) Methyl Acetate	2.47	43	35177	22.004	ug/L	96
16) Methylene chloride	2.53	84	60006	21.201	ug/L	95
17) Methyl tert-butyl Ether	2.81	73	138670	24.209	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	59674	24.078	ug/L	99
19) 1,1-Dichloroethane	3.23	63	100562	24.435	ug/L	99
21) 2-Butanone	4.04	43	51296	45.392	ug/L #	88
22) cis-1,2-Dichloroethene	3.96	96	65045	24.551	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	30252	24.270	ug/L	94
25) Chloroform	4.43	83	107753	24.587	ug/L	99
27) 1,2-Dichloroethane	5.18	62	71640	24.336	ug/L	97
30) Cyclohexane	4.72	56	90257	23.795	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	101980	24.515	ug/L	99
32) Carbon tetrachloride	4.87	117	92624	24.326	ug/L	99
34) Benzene	5.15	78	222978	24.242	ug/L	100
35) Trichloroethene	5.96	95	65077	24.558	ug/L	98
36) Methylcyclohexane	6.18	83	106012	23.943	ug/L	99
40) 1,2-Dichloropropane	6.22	63	55114	24.860	ug/L	98
41) Bromodichloromethane	6.55	83	75616	24.883	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	88047	25.062	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	97556	46.165	ug/L	97
44) Toluene	7.43	91	244438	24.649	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	76940	25.015	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	50056	25.546	ug/L	97
47) Tetrachloroethene	8.02	164	55949	24.370	ug/L	99
49) 2-Hexanone	8.19	43	71920	46.244	ug/L	98
50) Dibromochloromethane	8.29	129	61125	25.393	ug/L	100
51) 1,2-Dibromoethane	8.40	107	50064	24.434	ug/L	98
52) Chlorobenzene	8.93	112	165199	24.279	ug/L	99
53) Ethylbenzene	9.05	91	279412	24.914	ug/L	98
54) m,p-Xylene	9.18	106	108006	24.718	ug/L	96
55) o-xylene	9.59	106	103277	25.562	ug/L	97
56) Styrene	9.60	104	170181	24.973	ug/L	99
57) Isopropylbenzene	9.98	105	282520	25.203	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	64668	24.632	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	50124	23.887	ug/L	100
62) Bromoform	9.78	173	38316	25.535	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	131692	24.600	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	133677	23.956	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	124766	24.467	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	12887	24.342	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	102782	23.806	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	83540	23.772	ug/L	99
69) Naphthalene	13.55	128	173473	24.235	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	75951	23.550	ug/L	96

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

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