

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022719\
 Data File : VV009390.D
 Acq On : 27 Feb 2019 10:46
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

Quant Time: Feb 28 04:25:46 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	217995	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	204961	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	101523	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61526	22.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.72%
7) Chloroethane-d5	1.58	69	86073	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.56%
10) 1,1-Dichloroethene-d2	2.13	63	159804	22.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.12%
20) 2-Butanone-d5	3.94	46	35169	42.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.12%
24) Chloroform-d	4.40	84	131601	24.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.56%
26) 1,2-Dichloroethane-d4	5.08	65	70351	24.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.20%
29) Benzene-d6	5.10	84	260857	23.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.76%
33) 1,2-Dichloropropane-d6	6.12	67	78232	24.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.00%
37) Toluene-d8	7.36	98	262328	25.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.40%
38) trans-1,3-Dichloropropene-	7.66	79	37523	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.04%
39) 2-Hexanone-d5	8.14	63	26892	39.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.58%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	71677	22.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	93374	24.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	68452	24.806	ug/L 100
3) Chloromethane	1.25	50	67457	23.031	ug/L 98
5) Vinyl chloride	1.32	62	77254	23.740	ug/L 99
6) Bromomethane	1.53	94	79250	22.644	ug/L 98
8) Chloroethane	1.60	64	72836	26.249	ug/L 95
9) Trichlorofluoromethane	1.77	101	147765	22.519	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	80652	22.152	ug/L 97
12) 1,1-Dichloroethene	2.14	96	70238	22.436	ug/L 83
13) Acetone	2.21	43	38702	40.969	ug/L 97
14) Carbon disulfide	2.32	76	195238	24.003	ug/L 99
15) Methyl Acetate	2.47	43	26860	21.518	ug/L 96
16) Methylene chloride	2.53	84	62646	21.217	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	153347	22.511	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	66922	24.595	ug/L 98
19) 1,1-Dichloroethane	3.23	63	118079	24.428	ug/L 99
21) 2-Butanone	4.03	43	47658	40.484	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	77535	25.346	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	33877	24.676	ug/L	87
25) Chloroform	4.42	83	131076	24.918	ug/L	100
27) 1,2-Dichloroethane	5.18	62	85752	23.566	ug/L	98
30) Cyclohexane	4.72	56	114834	23.652	ug/L	95
31) 1,1,1-Trichloroethane	4.66	97	123553	25.382	ug/L	97
32) Carbon tetrachloride	4.87	117	105963	25.524	ug/L	100
34) Benzene	5.15	78	276798	24.222	ug/L	100
35) Trichloroethene	5.96	95	80174	25.345	ug/L	98
36) Methylcyclohexane	6.17	83	132063	23.911	ug/L	97
40) 1,2-Dichloropropane	6.22	63	68005	23.954	ug/L	98
41) Bromodichloromethane	6.55	83	98054	24.287	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	115456	25.595	ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	86452	42.594	ug/L	97
44) Toluene	7.43	91	315134	24.656	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	98563	24.101	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	55885	23.831	ug/L	96
47) Tetrachloroethene	8.02	164	62889	26.841	ug/L	95
49) 2-Hexanone	8.19	43	71444	42.156	ug/L	97
50) Dibromochloromethane	8.29	129	74208	25.299	ug/L	100
51) 1,2-Dibromoethane	8.40	107	56512	23.938	ug/L	100
52) Chlorobenzene	8.93	112	207110	25.017	ug/L	99
53) Ethylbenzene	9.05	91	361855	24.754	ug/L	99
54) m,p-Xylene	9.18	106	146239	25.681	ug/L	98
55) o-xylene	9.59	106	136409	25.266	ug/L	93
56) Styrene	9.60	104	225001	24.846	ug/L	96
57) Isopropylbenzene	9.97	105	372589	25.260	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	72005	22.581	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	50521	22.244	ug/L	99
62) Bromoform	9.77	173	42917	23.548	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	163874	25.146	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	161805	24.875	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	152367	24.884	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	12958	21.434	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	114477	24.878	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	88356	24.734	ug/L	99
69) Naphthalene	13.55	128	161469	22.324	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	80798	24.400	ug/L	100

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

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