

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022219\
 Data File : VV009328.D
 Acq On : 22 Feb 2019 13:53
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

Quant Time: Feb 23 00:22:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 22 04:53:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	145826	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	137864	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	68575	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43488	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.68%
7) Chloroethane-d5	1.58	69	53781	23.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.72%
10) 1,1-Dichloroethene-d2	2.13	63	115966	24.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.24%
20) 2-Butanone-d5	3.95	46	24217	35.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.34%
24) Chloroform-d	4.40	84	70705	20.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.52%
26) 1,2-Dichloroethane-d4	5.08	65	39602	21.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.28%
29) Benzene-d6	5.10	84	152048	21.99	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.96%
33) 1,2-Dichloropropane-d6	6.12	67	45316	22.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.08%
37) Toluene-d8	7.36	98	144606	21.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.88%
38) trans-1,3-Dichloropropene-	7.66	79	22246	21.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.16%
39) 2-Hexanone-d5	8.14	63	20306	35.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.76%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	47296	21.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.04%
61) 1,2-Dichlorobenzene-d4	11.67	152	55010	21.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	39222	23.044 ug/L	98
3) Chloromethane	1.25	50	56113	26.984 ug/L	99
5) Vinyl chloride	1.32	62	66209	28.077 ug/L	97
6) Bromomethane	1.53	94	49838	22.710 ug/L	99
8) Chloroethane	1.60	64	61800	31.048 ug/L	99
9) Trichlorofluoromethane	1.77	101	123017	27.710 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	68018	26.791 ug/L	97
12) 1,1-Dichloroethene	2.14	96	58753	27.460 ug/L	95
13) Acetone	2.21	43	28140	42.397 ug/L	94
14) Carbon disulfide	2.32	76	137303	23.982 ug/L	97
15) Methyl Acetate	2.47	43	19514	20.163 ug/L	94
16) Methylene chloride	2.54	84	45241	20.509 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	108364	22.865 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	44161	22.912 ug/L	95
19) 1,1-Dichloroethane	3.23	63	77413	24.180 ug/L	98
21) 2-Butanone	4.03	43	31579	41.531 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	49326	23.427 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	22222	23.061	ug/L	94
25) Chloroform	4.42	83	79425	23.315	ug/L	97
27) 1,2-Dichloroethane	5.18	62	52861	22.915	ug/L	98
30) Cyclohexane	4.72	56	77210	24.160	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	70165	22.536	ug/L	98
32) Carbon tetrachloride	4.87	117	58340	22.174	ug/L	98
34) Benzene	5.14	78	183129	24.294	ug/L	100
35) Trichloroethene	5.96	95	48768	23.259	ug/L	99
36) Methylcyclohexane	6.17	83	86137	23.486	ug/L	99
40) 1,2-Dichloropropane	6.22	63	43188	23.605	ug/L #	95
41) Bromodichloromethane	6.55	83	59759	22.934	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	74859	24.109	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	66917	43.570	ug/L	98
44) Toluene	7.43	91	201884	24.147	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	62034	22.816	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	37466	22.996	ug/L	98
47) Tetrachloroethene	8.02	164	40046	24.437	ug/L	98
49) 2-Hexanone	8.19	43	51604	43.689	ug/L	98
50) Dibromochloromethane	8.29	129	44829	22.820	ug/L	100
51) 1,2-Dibromoethane	8.40	107	38081	23.304	ug/L	99
52) Chlorobenzene	8.93	112	131794	24.209	ug/L	98
53) Ethylbenzene	9.05	91	230291	24.382	ug/L	100
54) m,p-Xylene	9.18	106	88274	23.952	ug/L	96
55) o-xylene	9.59	106	86895	25.119	ug/L	96
56) Styrene	9.60	104	146883	24.743	ug/L	97
57) Isopropylbenzene	9.97	105	231501	24.174	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	51238	22.286	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	36037	21.874	ug/L	99
62) Bromoform	9.77	173	27207	21.460	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	102929	23.366	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	101043	23.011	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	97249	23.544	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	8200	17.876	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	76162	23.894	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	60753	23.359	ug/L	98
69) Naphthalene	13.55	128	117644	21.104	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	54049	22.518	ug/L	96

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

