

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050219\
 Data File : VV010671.D
 Acq On : 03 May 2019 23:12
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

Quant Time: May 04 00:05:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 03 23:50:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	179751	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	185466	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	91069	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38275	16.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.28%
7) Chloroethane-d5	1.57	69	29946	18.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.20%
10) 1,1-Dichloroethene-d2	2.13	63	70354	17.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.52%
20) 2-Butanone-d5	3.93	46	34528	49.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.74%
24) Chloroform-d	4.40	84	114453	24.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.08	65	64977	24.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.68%
29) Benzene-d6	5.10	84	228148	23.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.96%
33) 1,2-Dichloropropane-d6	6.12	67	71539	24.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.20%
37) Toluene-d8	7.36	98	219800	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.20%
38) trans-1,3-Dichloropropene-	7.66	79	30933	25.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.68%
39) 2-Hexanone-d5	8.13	63	28099	53.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	65323	24.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.48%
61) 1,2-Dichlorobenzene-d4	11.67	152	91043	25.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	56967	21.437	ug/L 99
3) Chloromethane	1.25	50	54110	22.142	ug/L 99
5) Vinyl chloride	1.32	62	42705	19.379	ug/L 97
6) Bromomethane	1.51	94	22289	19.753	ug/L 98
8) Chloroethane	1.59	64	25089	21.575	ug/L 100
9) Trichlorofluoromethane	1.76	101	72763	18.653	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	37404	18.937	ug/L 97
12) 1,1-Dichloroethene	2.14	96	34479	19.966	ug/L 96
13) Acetone	2.19	43	19391	32.668	ug/L 95
14) Carbon disulfide	2.31	76	122802	21.477	ug/L 100
15) Methyl Acetate	2.46	43	28906	24.912	ug/L 99
16) Methylene chloride	2.53	84	68062	27.148	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	151925	28.562	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	54756	24.967	ug/L 95
19) 1,1-Dichloroethane	3.23	63	102802	25.702	ug/L 97
21) 2-Butanone	4.02	43	37523	48.479	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	67539	28.213	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	32444	28.665	ug/L	95
25) Chloroform	4.43	83	116808	26.348	ug/L	100
27) 1,2-Dichloroethane	5.18	62	75273	26.214	ug/L	97
30) Cyclohexane	4.73	56	69681	21.362	ug/L	95
31) 1,1,1-Trichloroethane	4.66	97	88141	24.328	ug/L	98
32) Carbon tetrachloride	4.87	117	75819	23.378	ug/L	98
34) Benzene	5.15	78	230944	26.048	ug/L	100
35) Trichloroethene	5.96	95	63417	25.077	ug/L	98
36) Methylcyclohexane	6.18	83	75481	20.890	ug/L	97
40) 1,2-Dichloropropane	6.22	63	61202	26.541	ug/L	100
41) Bromodichloromethane	6.56	83	85488	27.998	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	95198	28.223	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	84881	52.278	ug/L	95
44) Toluene	7.43	91	261433	26.718	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	79744	28.091	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	54237	28.167	ug/L	98
47) Tetrachloroethene	8.02	164	46791	23.736	ug/L	96
49) 2-Hexanone	8.18	43	57248	47.430	ug/L	93
50) Dibromochloromethane	8.29	129	64306	28.160	ug/L	99
51) 1,2-Dibromoethane	8.40	107	51025	27.473	ug/L	97
52) Chlorobenzene	8.92	112	186984	27.381	ug/L	99
53) Ethylbenzene	9.05	91	292293	26.412	ug/L	99
54) m,p-Xylene	9.18	106	115770	27.608	ug/L	96
55) o-xylene	9.59	106	118166	28.844	ug/L	96
56) Styrene	9.60	104	200266	28.803	ug/L	98
57) Isopropylbenzene	9.97	105	293966	27.344	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	64893	27.015	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	48373	26.769	ug/L	98
62) Bromoform	9.77	173	35928	28.129	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	148091	28.496	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	149501	27.548	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	145009	28.263	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	10291	27.273	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	105818	26.521	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	85326	28.027	ug/L	99
69) Naphthalene	13.55	128	172339	29.606	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	84388	29.387	ug/L	96

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

