

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050919\
 Data File : VV010843.D
 Acq On : 11 May 2019 05:58
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02595

Quant Time: May 11 06:30:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 11 00:23:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	89587	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	93418	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	40952	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	25480	18.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.24%
7) Chloroethane-d5	1.55	69	25620	22.37	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.48%
10) 1,1-Dichloroethene-d2	2.12	63	62832	20.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.24%
20) 2-Butanone-d5	3.93	46	24998	59.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.72%
24) Chloroform-d	4.39	84	65732	26.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.64%
26) 1,2-Dichloroethane-d4	5.07	65	43009	28.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.80%
29) Benzene-d6	5.09	84	121121	24.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.52%
33) 1,2-Dichloropropane-d6	6.11	67	41829	26.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.80%
37) Toluene-d8	7.36	98	107119	22.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.00%
38) trans-1,3-Dichloropropene-	7.66	79	16753	23.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.80%
39) 2-Hexanone-d5	8.13	63	16515	50.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	40350	27.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	40624	25.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	22981	18.522	ug/L 100
3) Chloromethane	1.24	50	30830	20.426	ug/L 96
5) Vinyl chloride	1.32	62	35656	20.345	ug/L 99
6) Bromomethane	1.51	94	12974	15.265	ug/L 100
8) Chloroethane	1.57	64	25140	23.033	ug/L 99
9) Trichlorofluoromethane	1.75	101	53223	20.174	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	32050	21.279	ug/L 96
12) 1,1-Dichloroethene	2.13	96	31365	22.239	ug/L 94
13) Acetone	2.18	43	19292	29.838	ug/L 99
14) Carbon disulfide	2.30	76	75579	21.807	ug/L 98
15) Methyl Acetate	2.45	43	22125	28.645	ug/L 98
16) Methylene chloride	2.53	84	37686	27.206	ug/L 97
17) Methyl tert-butyl Ether	2.80	73	99803	28.260	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	31256	24.517	ug/L 98
19) 1,1-Dichloroethane	3.22	63	67374	27.374	ug/L 98
21) 2-Butanone	4.01	43	27237	44.449	ug/L 95
22) cis-1,2-Dichloroethene	3.95	96	38076	26.145	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	17933	27.393	ug/L	92
25) Chloroform	4.42	83	73670	27.171	ug/L	99
27) 1,2-Dichloroethane	5.17	62	54450	27.475	ug/L	100
30) Cyclohexane	4.72	56	42521	18.148	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	53458	22.951	ug/L	99
32) Carbon tetrachloride	4.87	117	43394	21.388	ug/L	96
34) Benzene	5.14	78	141562	25.814	ug/L	100
35) Trichloroethene	5.96	95	35438	23.070	ug/L	97
36) Methylcyclohexane	6.17	83	43538	17.684	ug/L	99
40) 1,2-Dichloropropane	6.22	63	40461	27.735	ug/L	98
41) Bromodichloromethane	6.55	83	53203	26.541	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	58371	25.297	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	61929	50.431	ug/L	99
44) Toluene	7.43	91	151993	24.403	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	48946	25.191	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	32148	26.824	ug/L	97
47) Tetrachloroethene	8.02	164	23594	21.209	ug/L	95
49) 2-Hexanone	8.18	43	41025	43.941	ug/L	98
50) Dibromochloromethane	8.29	129	36225	26.285	ug/L	99
51) 1,2-Dibromoethane	8.40	107	30835	26.639	ug/L	97
52) Chlorobenzene	8.92	112	97707	24.012	ug/L	97
53) Ethylbenzene	9.05	91	164610	22.793	ug/L	99
54) m,p-Xylene	9.18	106	61059	22.630	ug/L	100
55) o-xylene	9.59	106	63347	23.670	ug/L	95
56) Styrene	9.60	104	111490	24.630	ug/L	99
57) Isopropylbenzene	9.97	105	155858	21.828	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	39888	25.404	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	31174	25.439	ug/L	100
62) Bromoform	9.77	173	19212	27.550	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	70075	24.582	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	72881	25.029	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	71237	25.729	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	6344	24.693	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	46085	22.443	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	36642	23.062	ug/L	99
69) Naphthalene	13.55	128	80505	23.672	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	36574	24.540	ug/L	99

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

