

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022119\
 Data File : VV009326.D
 Acq On : 21 Feb 2019 16:02
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

Quant Time: Feb 22 04:57:06 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	128929	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	125198	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	62891	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46667	27.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.84%
7) Chloroethane-d5	1.58	69	60881	30.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	120.00%
10) 1,1-Dichloroethene-d2	2.13	63	120088	28.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	113.92%#
20) 2-Butanone-d5	3.95	46	25884	43.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.24%
24) Chloroform-d	4.40	84	72140	24.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.36%
26) 1,2-Dichloroethane-d4	5.08	65	38298	23.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.36%
29) Benzene-d6	5.10	84	153956	24.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.08%
33) 1,2-Dichloropropane-d6	6.12	67	45608	24.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.72%
37) Toluene-d8	7.36	98	148553	24.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.44%
38) trans-1,3-Dichloropropene-	7.66	79	22128	23.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.28%
39) 2-Hexanone-d5	8.14	63	21105	41.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	48294	23.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	55207	23.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	41015	27.255	ug/L 97
3) Chloromethane	1.25	50	57407	31.225	ug/L 99
5) Vinyl chloride	1.32	62	67343	32.300	ug/L 95
6) Bromomethane	1.53	94	52873	27.251	ug/L 99
8) Chloroethane	1.60	64	64407	36.598	ug/L 97
9) Trichlorofluoromethane	1.76	101	123219	31.393	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	68638	30.578	ug/L 99
12) 1,1-Dichloroethene	2.14	96	58660	31.010	ug/L 94
13) Acetone	2.21	43	30807	52.498	ug/L 95
14) Carbon disulfide	2.31	76	143195	28.289	ug/L 97
15) Methyl Acetate	2.46	43	21508	25.136	ug/L 98
16) Methylene chloride	2.53	84	43447	22.277	ug/L 96
17) Methyl tert-butyl Ether	2.80	73	104053	24.833	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	45946	26.962	ug/L 98
19) 1,1-Dichloroethane	3.23	63	75993	26.848	ug/L 97
21) 2-Butanone	4.03	43	37048	55.109	ug/L 95
22) cis-1,2-Dichloroethene	3.96	96	50178	26.955	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	22581	26.505	ug/L	97
25) Chloroform	4.42	83	78213	25.968	ug/L	97
27) 1,2-Dichloroethane	5.18	62	51184	25.096	ug/L	98
30) Cyclohexane	4.72	56	78810	27.155	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	71467	25.276	ug/L	98
32) Carbon tetrachloride	4.87	117	60605	25.365	ug/L	99
34) Benzene	5.14	78	181857	26.565	ug/L	100
35) Trichloroethene	5.96	95	48318	25.376	ug/L	97
36) Methylcyclohexane	6.17	83	87116	26.156	ug/L	98
40) 1,2-Dichloropropane	6.22	63	43221	26.013	ug/L	99
41) Bromodichloromethane	6.55	83	57973	24.500	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	72508	25.715	ug/L	98
43) 4-Methyl-2-pentanone	7.28	43	67040	48.066	ug/L	99
44) Toluene	7.43	91	201621	26.555	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	60902	24.665	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	36529	24.689	ug/L	97
47) Tetrachloroethene	8.02	164	40375	27.131	ug/L	96
49) 2-Hexanone	8.19	43	50803	47.362	ug/L #	94
50) Dibromochloromethane	8.29	129	44108	24.724	ug/L	99
51) 1,2-Dibromoethane	8.40	107	36918	24.878	ug/L	98
52) Chlorobenzene	8.92	112	131551	26.609	ug/L	99
53) Ethylbenzene	9.05	91	230189	26.837	ug/L	98
54) m,p-Xylene	9.18	106	89613	26.775	ug/L	97
55) o-xylene	9.59	106	86875	27.654	ug/L	100
56) Styrene	9.60	104	148234	27.496	ug/L	95
57) Isopropylbenzene	9.97	105	236901	27.241	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	51403	24.620	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	36379	24.315	ug/L	99
62) Bromoform	9.77	173	27597	23.735	ug/L #	98
63) 1,3-Dichlorobenzene	11.23	146	104239	25.802	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	103687	25.748	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	96663	25.518	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8516	20.243	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	77174	26.399	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	61112	25.621	ug/L	98
69) Naphthalene	13.55	128	120420	23.554	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	56557	25.693	ug/L	99

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

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