

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040119\
 Data File : VV010047.D
 Acq On : 01 Apr 2019 14:36
 Operator : SY/MD
 Sample : VSTD2.561
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

Quant Time: Apr 05 16:02:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 01 21:03:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	291209	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	266681	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	126516	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10111	2.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	10.12%#
7) Chloroethane-d5	1.58	69	15987	4.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	18.16%#
10) 1,1-Dichloroethene-d2	2.13	63	27199	2.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	10.84%#
20) 2-Butanone-d5	3.95	46	858	0.79	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1.58%#
24) Chloroform-d	4.40	84	18844	2.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	10.76%#
26) 1,2-Dichloroethane-d4	5.08	65	9647	2.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	9.00%#
29) Benzene-d6	5.10	84	36624	2.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	10.64%#
33) 1,2-Dichloropropane-d6	6.12	67	9310	2.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	9.48%#
37) Toluene-d8	7.36	98	31788	2.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	9.44%#
38) trans-1,3-Dichloropropene-	7.66	79	3388	2.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	8.04%#
39) 2-Hexanone-d5	8.14	63	2824	3.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	7.28%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	8587	2.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	8.48%#
61) 1,2-Dichlorobenzene-d4	11.67	152	12699	2.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	10.08%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	13131	2.928	ug/L	97
3) Chloromethane	1.25	50	12425	3.171	ug/L	93
5) Vinyl chloride	1.33	62	12904	3.010	ug/L	85
6) Bromomethane	1.54	94	15795	4.135	ug/L	99
8) Chloroethane	1.60	64	14224	5.013	ug/L	100
9) Trichlorofluoromethane	1.77	101	26305	2.981	ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	14624	2.929	ug/L	98
12) 1,1-Dichloroethene	2.14	96	11760	2.732	ug/L	97
13) Acetone	2.21	43	5539	4.313	ug/L	94
14) Carbon disulfide	2.32	76	25099	2.903	ug/L	98
15) Methyl Acetate	2.47	43	3927	2.107	ug/L #	74
16) Methylene chloride	2.54	84	21646	4.254	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	20108	2.265	ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	9865	2.754	ug/L	93
19) 1,1-Dichloroethane	3.23	63	16727	2.655	ug/L #	97
21) 2-Butanone	4.05	43	2648	2.169	ug/L	87
22) cis-1,2-Dichloroethene	3.96	96	10452	2.604	ug/L	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	2958	1.491	ug/L #	85
25) Chloroform	4.43	83	18027	2.442	ug/L	96
27) 1,2-Dichloroethane	5.18	62	12005	2.561	ug/L	98
30) Cyclohexane	4.73	56	13571	2.786	ug/L	91
31) 1,1,1-Trichloroethane	4.66	97	15924	2.923	ug/L	99
32) Carbon tetrachloride	4.87	117	14176	2.857	ug/L	100
34) Benzene	5.15	78	38591	2.890	ug/L	100
35) Trichloroethene	5.96	95	11309	2.961	ug/L	96
36) Methylcyclohexane	6.17	83	16323	2.778	ug/L	96
40) 1,2-Dichloropropane	6.22	63	9199	2.815	ug/L #	94
41) Bromodichloromethane	6.56	83	10390	2.386	ug/L #	92
42) cis-1,3-Dichloropropene	7.07	75	10537	2.108	ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	11819	4.732	ug/L #	94
44) Toluene	7.43	91	40658	2.686	ug/L	93
45) trans-1,3-Dichloropropene	7.69	75	9662	2.324	ug/L	94
46) 1,1,2-Trichloroethane	7.88	97	6747	2.279	ug/L	87
47) Tetrachloroethene	8.02	164	9648	2.975	ug/L	96
49) 2-Hexanone	8.19	43	8153	4.922	ug/L #	91
50) Dibromochloromethane	8.29	129	7589	2.217	ug/L	92
51) 1,2-Dibromoethane	8.40	107	7069	2.382	ug/L #	88
52) Chlorobenzene	8.92	112	29037	2.786	ug/L	97
53) Ethylbenzene	9.05	91	46128	2.758	ug/L	100
54) m,p-Xylene	9.18	106	17030	2.540	ug/L	95
55) o-xylene	9.59	106	14488	2.284	ug/L	91
56) Styrene	9.60	104	25379	2.391	ug/L	92
57) Isopropylbenzene	9.97	105	42596	2.521	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	8550	2.233	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	7107	2.529	ug/L	93
62) Bromoform	9.77	173	3673	2.078	ug/L #	93
63) 1,3-Dichlorobenzene	11.23	146	21481	2.815	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	23307	2.905	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	20401	2.709	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	1002	2.064	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	15660	2.783	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	10150	2.473	ug/L #	83
69) Naphthalene	13.55	128	13552	2.100	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	9422	2.450	ug/L	94

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

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