

Data File : VV011137.D
Acq On : 30 May 2019 15:02
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV72

Quant Time: May 31 01:41:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Thu May 30 14:54:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	328171	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	324428	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	158574	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	106827	24.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.24%
7) Chloroethane-d5	1.56	69	86080	25.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.88%
10) 1,1-Dichloroethene-d2	2.12	63	218975	24.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.08%
20) 2-Butanone-d5	3.93	46	104684	64.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.02%
24) Chloroform-d	4.39	84	218950	27.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.16%
26) 1,2-Dichloroethane-d4	5.08	65	146209	27.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.88%
29) Benzene-d6	5.09	84	460428	26.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.52%
33) 1,2-Dichloropropane-d6	6.11	67	151034	26.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.00%
37) Toluene-d8	7.36	98	427766	25.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.92%
38) trans-1,3-Dichloropropene-	7.66	79	70034	27.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.64%
39) 2-Hexanone-d5	8.13	63	76760	59.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.66%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	149475	29.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.52%
61) 1,2-Dichlorobenzene-d4	11.67	152	162368	27.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	122801	23.173 ug/L	99
3) Chloromethane	1.25	50	128233	24.749 ug/L	100
5) Vinyl chloride	1.32	62	118416	22.924 ug/L	100
6) Bromomethane	1.51	94	65976	23.693 ug/L	98
8) Chloroethane	1.58	64	69608	23.290 ug/L	99
9) Trichlorofluoromethane	1.75	101	168022	22.607 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	85310	21.431 ug/L	99
12) 1,1-Dichloroethene	2.13	96	82259	22.308 ug/L	98
13) Acetone	2.19	43	95947	50.821 ug/L	100
14) Carbon disulfide	2.31	76	267390	22.579 ug/L	99
15) Methyl Acetate	2.45	43	72966	25.685 ug/L	98
16) Methylene chloride	2.53	84	114605	22.916 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	312350	24.434 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	101359	22.566 ug/L	98
19) 1,1-Dichloroethane	3.22	63	202231	23.269 ug/L	99
21) 2-Butanone	4.02	43	117067	52.854 ug/L	99
22) cis-1,2-Dichloroethene	3.95	96	119508	23.822 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	52788	23.914	ug/L	92
25) Chloroform	4.42	83	215587	23.218	ug/L	100
27) 1,2-Dichloroethane	5.17	62	160131	24.628	ug/L	98
30) Cyclohexane	4.71	56	186173	21.459	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	165659	22.296	ug/L	99
32) Carbon tetrachloride	4.87	117	139333	22.120	ug/L	99
34) Benzene	5.14	78	440491	22.904	ug/L	100
35) Trichloroethene	5.96	95	113095	22.426	ug/L	99
36) Methylcyclohexane	6.17	83	182141	21.343	ug/L	99
40) 1,2-Dichloropropane	6.22	63	117219	23.186	ug/L	100
41) Bromodichloromethane	6.55	83	154519	23.465	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	191819	23.865	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	235168	51.205	ug/L	100
44) Toluene	7.43	91	478405	22.788	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	165121	24.069	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	94623	23.996	ug/L	98
47) Tetrachloroethene	8.02	164	80626	21.575	ug/L	98
49) 2-Hexanone	8.18	43	171779	51.912	ug/L	98
50) Dibromochloromethane	8.29	129	108435	24.333	ug/L	98
51) 1,2-Dibromoethane	8.39	107	94015	24.582	ug/L	99
52) Chlorobenzene	8.92	112	308492	22.956	ug/L	98
53) Ethylbenzene	9.05	91	545963	22.665	ug/L	99
54) m,p-Xylene	9.18	106	201964	22.541	ug/L	98
55) o-xylene	9.59	106	202766	23.010	ug/L	98
56) Styrene	9.60	104	353635	23.892	ug/L	96
57) Isopropylbenzene	9.97	105	530139	22.531	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	132319	24.693	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	105044	25.925	ug/L	97
62) Bromoform	9.78	173	61722	24.967	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	240610	23.424	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	240239	23.048	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	232021	23.857	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	24488	25.951	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	178334	23.226	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	148538	24.107	ug/L	99
69) Naphthalene	13.55	128	348386	27.504	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	143738	25.153	ug/L	98

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

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